



Saint Joseph's College  
1994-1995 catalog



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SAINT JOSEPH'S COLLEGE BULLETIN

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## **SAINT JOSEPH'S**

### **A FOUR YEAR GENERAL COLLEGE**

**Accredited by:**

National Council for Accreditation of Teacher Education.

North Central Association of Colleges and Schools.

State of Indiana Professional Standards Board for the training of elementary and secondary teachers.

**Affiliated with:**

Gulf Coast Research Laboratory,

Ocean Springs, Mississippi

The Washington Center

**With Membership in:**

American Catholic Philosophical Association

American Council on Education

Association of American Colleges

Association of American Colleges for Teacher Education

Associated Colleges of Indiana

Association of General and Liberal Studies

Catholic Library Association

College Entrance Examination Board

Council of Independent Colleges

Independent Colleges and Universities of Indiana

Indiana Academy of Social Sciences

Indiana Conference of Higher Education

Indiana Consortium for International Programs

National Association of Independent Colleges and Universities

National Catholic Education Association

National Commission on Accreditation

Saint Joseph's College adheres to the following policy with regard to the recruitment and admission of students, awarding financial or other assistance, provision and management of housing facilities, counseling of students, employment of individuals, the conduct of College sponsored programs or events, and the overall administration of the College:

No person shall on the basis of race, color, sex, age, handicap, national or ethnic origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination, under any program or activity sponsored by the college.

The College reserves the right to change certain requirements for degrees, prerequisites, majors, fees, scheduling, etc. A student who has discontinued college studies for a full semester or more is regarded as re-entering the College when resuming studies and will be held to the requirements current at re-entrance.

**Saint Joseph's College is on "Chicago time" (CST, CDT) all year round.**

Table of Contents

I. General Information		Foreign Languages	106
Affiliations		Geology	109
Calendar	3	History	113
Mission Statement	5	Journalism	117
History of the College	6	Management	119
Special Features	7	Marketing	124
		Mathematics	127
II. Admissions		Music	133
Admissions to the College	12	Nursing	140
Degrees Offered	15	Philosophy	144
Graduation Requirements	17	Physical Education	148
		Physics	154
III. Financial Affairs		Political Science	157
Tuition and Fees	20	Psychology	162
Financial Policies	21	Religion	164
		Sociology	171
IV. Student Affairs		VII. Graduate	
Student Services	29	Church Music/Liturgy	176
Campus Facilities	34	Requirements	177
College Housing	36	Program of Studies	179
		Course Offerings	180
V. Academic Policies		VIII. Administration and Faculty	
Earning Academic Credit	39	Board of Trustees	188
Registration, Add-Drop	42	Administration	188
Grading	44	Alumni Board	191
Academic Honesty	45	Faculty	192
Probation & Dismissal	46	Emeriti Faculty	197
Teacher Education	47	Associate Faculty	199
Student Academic Awards	48		
VI. Course Descriptions			
Core	54		
Accounting	56		
Art	60		
Biology	62		
Chemistry	68		
Communication & Theater Arts	71		
Computer Science	78		
Economics	84		
Education	87		
English	95		
Entrepreneurship	99		
Finance	102		



SAINT JOSEPH'S COLLEGE  
ACADEMIC CALENDAR 1994-95

FALL SEMESTER (TERM 941)

Aug 10 Wed	Deadline for financial arrangements with College Bank
Aug 18 Thu	Freshman orientation
Aug 19 Fri	Freshman orientation and enrollment in ballroom
Aug 20 Sat	Freshman registration-A.M. in ballroom
Aug 21 Sun	Upperclassmen enrollment/registration--P.M. in ballroom
Aug 22 Mon	Classes begin 8:00 A.M.
Aug 26 Fri	Limit for changes in course schedules (add/drop period) Last day to register independent study projects for term 941 in the ballroom
Sep 5 Mon	LABOR DAY - No classes
Sep 12 Mon	All clubs must be registered with either the Vice President for Academic Affairs or Student Affairs
Oct 7 Fri	End of mid-term period
Oct 10 Mon	No classes
Oct 11 Tue	Classes resume at 8:00 A.M.
Oct 11 Tue	Mid-term grades due 10:00 A.M. in Registrar's Office
Oct 19 Wed	Last day for declaration of pass/not pass option for eligible courses Last day for course withdrawals
Nov 7 Mon	Registration for term 942 opens in the ballroom
Nov 11 Fri	Registration for term 942 closes
Nov 18 Fri	Thanksgiving recess begins after the last class
Nov 28 Mon	Classes resume at 8:00 A.M.
Dec 12 Mon	Exam week begins
Dec 15 Thu	Exam week ends. Last day of term 941.
Dec 19 Mon	Grades due 10:00 A.M. in Registrar's Office
Dec 23 Fri	Final grade reports mailed to student's permanent (home) address by this date

WINTER SEMESTER (TERM 942)

Dec 10 Sat	Deadline for financial arrangements with College Bank
Jan 8 Sun	New students enroll & register. Late registration for returning students who did not register in November 1993. Registration held in ballroom.
Jan 9 Mon	Classes begin at 8:00 A.M.
Jan 13 Fri	Limit for changes in course schedules (add/drop period) Last day to register for independent study projects for term 942 in the ballroom
Jan 19 Thu	Deadline for removal of "I" grades & petition for grade changes for term 941
Mar 3 Fri	End of mid-term period Spring break begins after the last class
Mar 7 Tue	Mid-term grades due 10:00 A.M. in Registrar's office
Mar 13 Mon	Classes resume at 8:00 A.M.
Mar 15 Wed	Last day for declaration of pass/not pass option for eligible courses.

Mar 15 Wed	Last day for course withdrawal
Apr 3 Mon	Registration for term 943 & 951 opens in the ballroom
Apr 6 Thu	Registration for term 943 closes
	Registration for term 951 closes
Apr 14 Fri	Good Friday - no classes
Apr 17 Mon	Easter Monday - no classes
Apr 18 Tue	Classes resume at 8:00
May 1 Mon	Exam week begins
May 4 Thu	Exam week ends. Last day of term 942
May 5 Fri	Senior grades due 8:00 A.M. in Registrar's Office
May 7 Sun	Commencement
May 9 Tue	Grades of all other students due 10:00 A.M. in the Registrar's Office
May 12 Fri	Final grade reports mailed to the student's permanent (home) address by this date.

#### SPRING SESSION (TERM 943)

May 15 Mon	Enrollment & registration Registrar's Office
May 16 Tue	Classes begin (5 week session & 8 week session)
May 19 Fri	Final day to enroll & register for term 943
	Final day to make course changes (add/drop period)
May 25 Thu	Final day for course withdrawals (5 week session)
May 29 Mon	Memorial Day - no classes
Jun 8 Thu	Deadline for removal of "I" grades & petition for grade changes for term 942
	Final day for course withdrawals (8 week session)
Jun 16 Fri	Last day of spring 5 week session (term 943)
Jun 20 Tue	Grades due 10:00 A.M. in Registrar's Office (5 week)
Jun 23 Fri	Final grades for term 943 will be mailed to student's permanent (home) address by this date (5 week session)
Jul 4 Tue	Independence Day - no classes
Jul 7 Fri	Last day of spring 8 week session (term 943)
Jul 11 Tue	Grades due 10:00 A.M. in Registrar's Office (8 weeks)
Jul 14 Fri	Final grades for term 943 will be mailed to student's permanent (home) address by this date (8 week session)
Jul 21 Fri	Deadline for removal of "I" grades & petition for grade change for spring session (term 943) (5 week session)
Aug 11 Fri	Deadline for removal of "I" grades & petition for grade change for spring session (term 943) (8 week session)

#### SUMMER SESSION (TERM 944)

Jun 20 Tue	Enrollment & registration for term 944
Jun 21 Wed	Summer session classes begin
Jun 28 Wed	Last day for course schedule changes (add/drop period)
Jul 4 Tue	Independence Day - no classes
Jul 14 Fri	Mid-term free day - no classes
Jul 17 Mon	Last day for course withdrawals for term 944
Jul 21 Fri	Deadline for removal of "I" grades and petition for grade change for spring session (term 943) (5 week)



Aug 3 Thu	Last day of summer session; summer commencement
Aug 7 Mon	Grades due at 10:00 A.M. at the registrar's Office
Aug 11 Fri	Deadline for removal of "I" grades & petition for grade change for spring session (term 943) (8 week session)



## MISSION STATEMENT

Saint Joseph's College is an independent, Roman Catholic, primarily undergraduate college for men and women, committed to excellence and quality and has as its mission:

- 1) To provide a total educational experience comprised of sound career preparation through participation in innovative career-oriented programs, combined with the liberating influence of a value-oriented Core program.
- 2) To set the educational experience in the frame-work of spiritual, moral, and ethical principles which reinforce the pursuit of truth.
- 3) To develop for society informed and responsible citizens capable of leadership with character, good judgement, and competence to make productive contributions to the community, the professions, business and government.
- 4) To instill in its students an understanding of the relationship between human freedom and economic freedom, a philosophy derived from human nature, free will and our ultimate duty to the Creator.
- 5) To serve with equality a diverse student body composed of students of all races, creeds and socio-economic backgrounds who have an aptitude and desire to learn.
- 6) To maintain a residential college which fosters communications between students, faculty, and administration and contributes to the spiritual, moral, and social development of the individual.
- 7) To provide the faculty, administration, and staff with the opportunity for creativity and career fulfillment.
- 8) To administer the academic and operating needs of the College on a basis of financial stability.
- 9) To extend educational services as Church and public needs may require.



### HISTORY OF THE COLLEGE

In 1867, the Catholic Diocese of Fort Wayne purchased a farm south of Rensselaer on which there were already two frame dwellings. These were converted into an orphanage that existed until 1887. One year later, The Most Reverend Joseph Dwenger, bishop of Fort Wayne, offered the vacant orphan home with part of the farm to Father Henry Drees, then Provincial of the Society of the Precious Blood, with the stipulation that a college be founded there. In 1889, Saint Joseph's College was incorporated under the laws of the state of Indiana with the right to grant scholastic degrees. The college opened its doors on August, 1891.

The educational program in the early years was on two distinct levels, the high school and the junior college. The aim was to prepare students for professional schools and seminaries, for teaching and for immediate entry into business. The new college passed its first major milestone June 16, 1896, when it presented diplomas to twelve students, its first class of graduates.

The original aims of Saint Joseph's changed little until 1925. At that time the College was converted into a minor seminary and for a period of six years admitted only students preparing for the priesthood. The status of academy and junior college was re-established in 1931, and plans for the expansion of the school were formulated. Saint Joseph's began to operate as a senior college in 1936, and June 1938, its first four-year class was graduated.

In the next three decades, Saint Joseph's grew from a school of a few buildings to a contemporary college. The expansion was carefully designed to utilize the one hundred and thirty acre campus to serve the educational needs of Saint Joseph's students.

In 1951, in response to the need for a Catholic college in the Calumet region of northwest Indiana, the College began an extension program in East Chicago. This program developed to the point that in 1963 it was granted the status of a campus, known as Saint Joseph's College Calumet Campus and is now a separate institution known as Calumet College of St. Joseph.

With an ever-present desire to improve its educational opportunities, Saint Joseph's had introduced campus and curriculum innovations which evidence its contemporary philosophy of education.

The campus Computer Center was completed in 1966 and offers students training and experience in both scientific and commercial data processing.

In 1968, the College ended its 79-year policy of admitting male students only. The change to a coeducational institution was made to widen the range of students contributing to the College's intellectual atmosphere and to create an air of better social and academic involvement on campus. Saint Joseph's offers a wide spectrum of programs and courses for women students, who have responded by enrolling in all academic areas of the College.

The introduction of the Core Curriculum program in the fall of 1969 shifted the direction of general education courses from that of a series of separate courses to an interdisciplinary approach. This combined the previous courses into a program examining issues of history, philosophy, theology, literature and other subjects with a historical framework. The inter-related nature of all subject material in the Core Curriculum allows the student to have an overview which permits deeper understanding and clearer insights. Improving and expanding the quality of academic offerings is a continuing process at Saint Joseph's.

Course-offerings, physical facilities, faculty members and students are all part of a



heritage which is constantly growing and improving as Saint Joseph's continues to face successfully the fast-paced challenges and rewards of contemporary American education.

In the summer of 1993, two years after Saint Joseph's college celebrated its Centennial, the presidency was assumed for the first time by a lay person, Dr. Albert Shannon. Father Charles Banet's Term of 28 years represented the last and longest of the 13 priests who held that office over the school's 102 years. However, the association with the Missionaries of the Precious Blood, both in terms of the priests and brothers who are still serving Saint Joseph's College and the Society's involvement in the future of the College will continue.

## **SPECIAL FEATURES OF SAINT JOSEPH'S COLLEGE**

A variety of distinctive features makes Saint Joseph's College (SJC) unique among liberal arts colleges. The extensive lawns, shady groves, and tree-lined drives make the campus very attractive, but it is the people and programs which give SJC its distinctive reputation.

### **The College Community**

The College is a community of scholars in which students, faculty members, administrators and trustees actively participate in academic life on campus, plan for the future, and work together to achieve their common goals. Many students develop long-term friendships with their professors and other members of the College community through close camaraderie of its students, whose buoyancy and vigor promote the outgoing spirit which permeates the campus. Students at SJC show their strong empathy and warm feelings toward fellow human beings in numerous ways: they raise funds through sports marathons and other events, and contribute the proceeds to worthy causes; they participate in volunteer services concerned with mental health, social work, religious activities, and health care; they help to fight fires, they search for lost children, and they donate to local blood banks. A strong spirit of service carries over into their careers of medicine, dentistry, and other health-related fields--into teaching, religious, vocations, and counseling--and into service-oriented projects to those who go into the business world.

### **Core Curriculum**

The most outstanding academic program of SJC is its Core Curriculum, which integrates a broad range of general education subjects into a meaningful whole. In essence, Core is a study of the "human phenomenon," including its recorded history and current situation, the rise of civilization and development of different cultures, achievements and current problems, and reflections upon existence. One of the most innovative segments of the program is Intercultural Studies, which surveys the histories and cultures of Africa, India, China and Latin America. It includes a variety of lectures by invited scholars, exhibits of painting and sculpture representative of the cultures, performances of traditional dances and ceremonies, and feature-length films which reflect these cultures. The other parts of Core also makes use of a variety of speakers, materials, and styles of presentation.

Reading/writing, and speaking/listening skills are strongly emphasized throughout the four years of Core in order to develop the thinking and communication skills which college graduates need to be effective members of society. Students with writing problems are referred to the Writing Clinic. Core segments are divided into discussion



## **8 Special Features of Saint Joseph's College**

sections of about 15-20 students each. The small size of these sections gives each student an opportunity to ask questions and to participate in discussion. The discussion leaders strive to bring all members of the class into discussion.

### **Program of Church Music and Liturgy**

A unique offering of SJC is the Rensselaer Program of Church Music and Liturgy, which has achieved an enviable record of recognition throughout the United States and beyond. Students specialize in musical composition, conducting, organ, voice, or music education.

The Church Music-Liturgy Program is SJC's only area of both undergraduate and graduate degree work. The graduate sequence, leading to a master's degree, is highly acclaimed for its practical, worship-oriented approach and is specially designed for students who can be absent from their posts in summers only.

The graduate faculty includes recognized authorities in church music and liturgy. Witness to the authenticity and quality of the program is the fact that graduates occupy responsible national and diocesan positions from New York to the state of Washington, from Louisiana to Manitoba, Canada. Monsignor James Conroy, writing in *Our Sunday Visitor*, expressed it well when he boasted of his Alma Mater in these words: "If liturgical music is to flourish in the United States, there is no doubt that Saint Joseph's music program will be listed as one of the contributing causes."

### **The College Library**

In addition to the usual books and audio-visual collections one finds in college libraries, the Robinson Memorial Library has strong English literature, Catholic, and reference collections as well as excellent resources in the areas of non-Western cultures such as Africa, Asia and India. In addition, the reference staff has online access to many national databases covering a vast array of disciplines and material formats. Students and faculty access the library's book and audio-visual collection through a computer catalog. Supplementary to the library's many printed indexes is a CD-ROM general periodical index.

The library is a depository for a selected number of U.S. Government Documents which now number over 122,000 items. These documents supplement the main collection of some 164,000 volumes of books and bound periodicals and 23,000 audio-visual items.

The library also maintains a Curriculum Library of textbooks and other reading materials used in elementary and secondary schools. Education students use this collection to prepare for their courses and practice teaching.

As a member of NIALSA, a regional library cooperative of 81 libraries of different types, the Robinson Memorial Library has ready access to these collections and supplies interlibrary loan material to its faculty and students upon request. Through its membership in INCOLSA, the library belongs to OCLC, an international library database. With its OCLC terminals, the library can locate and borrow materials from over 13,000 libraries. Membership in the Private Academic Library Network of Indiana (PALNI) provides direct access to materials in 24 private Indiana colleges.

### **Academic Computer Center**

The SJC Computer operations encompass four labs for student use. The first lab, which is located next to the campus Post Office, has 20 personal computers (IBM clones) with local printers. The second lab, located on the second floor of the Administrative Computer Center, has a Macintosh with CD-ROM and video image



scanner capability and PC clones with a networked laser printer. The third lab, which is also located on the second floor of the Administrative Computer Center, constitutes a programming lab with 5 Sun workstations, 4-486 SX, 33mhz personal computers and a Macintosh. This lab is used primarily by the upper-level programming courses which includes math computing applications, Microsoft Windows, and access to the Internet. The fourth lab, which is also used as a classroom, is located in the Science building. This room contains 30-486 SX, 33mhz personal computers all with SVGA color monitors and a networked laser printer.

A large selection of applications is available to the campus network users. Electronic mail is used extensively among students, faculty and staff. With almost every computer on campus connected via the network, communications between students, faculty and administration operate very smoothly. The network applications include:

*Desktop Publishing:* PageMaker, MacDraw, MacPaint, ImageStudio, Freehand

*Word Processing:* MS-Word for Macintosh and Ann Arbor Software - Norton  
Textra

*Business:* LOTUS 1-2-3, Microsoft EXCEL for Macintosh and Windows,  
MacProject, MS-Project, TurboCASE, MS-Works, HyperCard

*Math and Statistical Packages:* MATLAB, Mathematica, Derive, SAS, Minitab

*Programming Languages:* Turbo Pascal, C, C++, Cobol, Assembly languages,  
Perl, tcl, Lisp (Scheme) and Postscript

There are many more applications that are designed for specific departments or courses.

All the machines on campus communicate with each other through a campus-wide Ethernet network. The SJC network has a backbone of fiber optics which connects all the buildings. Each building is then cabled with either coax (thinnet) or Unshielded Twisted Pair (UTP) to the desktop. As a result of the campus-wide communication, network printers are made available to all students both from lab machines and from machines connected to the network from residence halls.

SJC offers its students a fast connection to the world-wide Internet, where we have been a directly-connected site since 1988. The Internet, which is undergoing explosive growth, allows instantaneous communications amongst millions of people, as well as access to a growing number of scientific, academic, and commercial databases in a wide range of disciplines. We are proud of our status as a long-time member of the Internet community, and offer extensive help to users who wish to avail themselves of its power.

The computer center houses three network servers running Banyan Vines as the network operating system. These servers act as printer servers, file and application servers and as mail routers for electronic mail both on campus and out on the Internet. The Vines operating system will also allow any user access to the UNIX machines on campus. Any machine on the network can access the Library on-line system to search the campus library holdings. A user can log into the Sun workstations to run UNIX applications, or work on programming.

SJC has strived to be near the leading edge of computer networking on campus. Twelve buildings on campus are currently live on the campus network. 186 rooms in three residence halls are currently cabled to allow students to connect to the campus network from their rooms and this will be expanded in the future.

### Visiting Scholars Program

SJC is a community of scholars which effectively interacts with scholars at the national and international levels. Through the generosity and auspices of the Lilly



## 10      **Special Features of Saint Joseph's College**

Endowment, Woodrow Wilson Foundation, the Consortium for International Studies and Programs, the Indiana Consortium for International Programs, the State Department, and other sources, leaders in foreign affairs, religious matters, social action, science and business come to our campus and give lectures, participate in Core, and take part in social activities.

### **Study Abroad**

Through special contractual arrangements, SJC makes several foreign sites available to its students to study for a semester or a year in England, France, the Netherlands, Germany, Austria, and Central America. These foreign campuses are actually extension campuses of SJC, so these arrangements can be made with a minimum of paperwork.

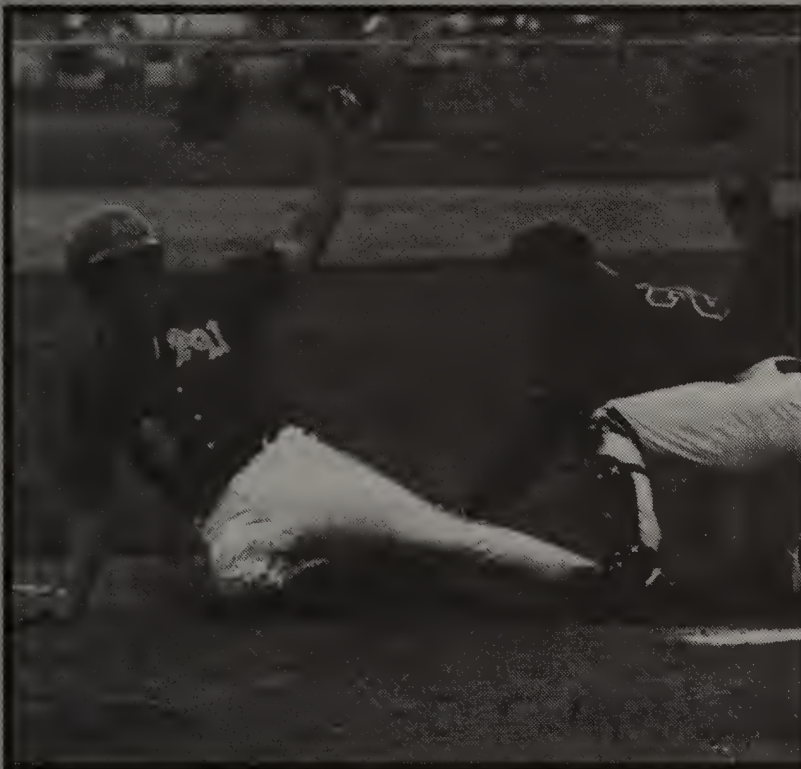




# Admissions

## Degrees Offered

## Graduation Requirements





## **12 Admission to the College**

### **ADMISSION TO THE COLLEGE**

All correspondence relating to admission should be addressed to the Dean of Admissions, P.O. Box 890, Saint Joseph's College, Rensselaer, Indiana 47978. Application for admission should be filed as early as possible and all credentials should be in the hands of the College at least three weeks before the opening of the school term. Application forms will be sent upon request. All credentials submitted as part of the admission procedure become the property of the College.

### **Campus Visits**

All applicants are encouraged to visit the campus and a planned tour will be given to persons interested in seeing Saint Joseph's College. Please call or write prior to your arrival if you wish to talk to a counselor and have a tour.

### **General Requirements**

Whether or not the student meets the entrance requirements will be determined on the basis of the information contained in the high school record. It is understood that these minimum requirements do not necessarily guarantee an applicant admittance. From among the applicants who meet the entrance requirements, the College reserves the right to select those best qualified to succeed at SJC. Therefore, the approval or rejection of an application may, in some cases, be deferred until later in the admissions period.

All applicants shall comply with the following requirements:

1. Application form filled out completely by applicant.
2. \$25 non-refundable application fee submitted with application for admission.
3. Official transcript of credits from all high schools and colleges previously attended, mailed directly from the schools to the Dean of Admissions.
4. Evidence of good health and proper immunization provided on an official medical certificate form supplied by the College after an application has been approved and housing deposit submitted.
5. Notification of acceptance from the Dean of Admissions. Final action in each case is based upon satisfactory evidence of scholastic ability of the applicant.

### **Admission to Freshman Standing**

Candidates for freshman standing will be selected from applicants who present the following academic credentials:

1. Certificate of graduation from an approved high school. Graduates from other high schools may be accepted conditionally; full standing will be dependent upon subsequent work.
2. Minimum of fifteen units, ten of which must be from the following academic fields: English, foreign language, social studies, mathematics, and natural sciences. It is not necessary that all of these fields be represented in the ten units. The term unit expresses a measure of academic credit, representing a subject carried through no fewer than thirty-two weeks with five class meetings a week or the equivalent.
3. Every applicant is required to take either the Scholastic Aptitude Test (SAT) of the College Entrance Examination Board or the American College Testing Examination (ACT) and have the scores sent to SJC. Students wishing to make application to take the test should procure application forms from their secondary schools, or write directly to the College Entrance Examination Board, Box 592, Princeton, New Jersey 08540 or P.O. Box 27896, Los Angeles,



California for the SAT, or to the American College Testing Board, P.O. Box 168, Iowa City, Iowa 52240 for the ACT.

4. Every applicant must have a minimum C average in academic high school work.
5. If it is determined that a deficiency in either language skills or mathematical skills exists, a special program may be required of the student. This program, under the direction of the Counseling Services, will consist of counseling, load limits, special projects or courses designed to remove the deficiency.

### **Admission of Special Students**

Students who wish to pursue particular studies without being candidates for a degree or for teacher certification may be admitted as special students. Work done by special students will not be counted toward a degree or teacher certification until all entrance requirements have been fulfilled.

### **Early Admission**

Exceptionally well-qualified students who have not graduated from high school, but who have completed at least their junior year, may be admitted to freshman standing. Their eligibility for admission will be determined on the basis of high school courses and grades, objective tests and the recommendation of the high school principal or counselor. A letter from the principal stating that a high school diploma will be awarded upon completion of a stated number of semester hours must be received by the Dean of Admissions before a final decision will be made.

### **Admission of Transfer Students**

Students transferring from other institutions whose curricula are substantially the same as those of SJC may be admitted with advanced standing. (See section "Transfer Policy" on page 39.

### **Admissions of Veterans & Other Non-Traditional Students**

The College welcomes applications from veterans and other non-traditional students and will accept a general education development certificate (GED) in place of a high school diploma. Such students should submit evidence of accomplishment from military or work experience to supplement the GED transcript or the high school transcript, and normally are not required to take the SAT or ACT.

SJC is a member of SOC (Servicemen's Opportunity College) and participates in the ConAP (Concurrent Admissions Program). Further information may be obtained from the Dean of Admissions.

### **Admission of International Students**

An international student seeking admission to SJC must fill out the Foreign Student Application provided by the Admissions Office. The applicant must demonstrate a score of 550 or above on the Test of English as a Foreign Language (TOEFL) or provide positive and conclusive evidence of the ability to speak and write the English language. Transcripts from high school and other universities or colleges attended are required and must be submitted in official English translation.

The international student is required to have adequate health and accident insurance coverage. The applicant must present certification of financial resources available to cover all costs at SJC. All term expenses must be paid in full prior to registering for classes. It is the responsibility of the applicant to have proper immigration and travel



14 Admission to the College

papers completed and submitted to the proper U.S. government officials and College officials.





DEGREES OFFERED

Saint Joseph’s College is authorized to offer the following academic degrees:

A.A.	Associate of Arts
A.S.	Associate of Science
B.A.	Bachelor of Arts
B.S.	Bachelor of Science
B.S.N.	Bachelor of Science in Nursing
M.A.	Master of Arts

Associate Degrees are offered with the following concentrations: A.S. in Biology/Chemistry, Business-Computer Science, Business-Information Management; A.A. in Church Music and Humanities.

The following majors are offered:

Accounting	B.S.
Biology	B.S.
Chemistry	B.S.
Comm. & Theater Arts	B.S.
Computer Science	B.S.
Entrepreneurship	B.S.
Economics	B.A.
Elementary Education	B.S.
English	B.A.
English/Creative Writing	B.A.
Finance	B.S.
History	B.A.
Music	B.A.
Management	B.S.
Mass Communications	B.S.
Mathematics	B.S.
Philosophy	B.A.
Philosophy/Religion	B.A.
Physical Education	B.S.
Political Science	B.A.
Psychology	B.A.
Sociology	B.A.

The following group-majors are offered:

Accounting-Finance	B.S.
Acct-Info Systems	B.S.
Biology-Chemistry	B.S.
Finance-Info Systems	B.S.
Geo-Biology	B.S.
Geo-Chemistry	B.S.
Human Services	B.S.
International Business	B.S.
International Studies	B.A.
Mgt-Mkt-Info Systems	B.S.
Math-Computer Science	B.S.
Math-Physics	B.S.
Medical Technology	B.S.
Music-Business Admin.	B.S.

The following minors are offered:

Accounting	Finance	Mathematics
Art	French	Music
Biology	Geology	Philosophy
Chemistry	German	Physical Education
Comm. & Theater Arts	History	Physics
Computer Science	Journalism	Political Science
Economics	Latin	Psychology
Education - Secondary	Management	Religion
English	Marketing	Sociology
Entrepreneurship	Mass Communications	Spanish

## 16 Pre-Professional Programs

### PRE-PROFESSIONAL PROGRAMS

Saint Joseph's College provides baccalaureate degree programs which lead to further work in specialized professional areas:

- 1) *Pre-medical, pre-dental, pre-veterinary* (See Biology Department).
- 2) *Pre-engineering* (see listings after Physics).

Five-year Engineering programs are available in Aeronautical, Chemical, Civil, Electrical, Industrial, Mechanical, and Metallurgical Engineering. After three years at SJC and two to three semesters at an accredited engineering college, students may qualify for a B.S. degree from SJC. After their fifth year, students may qualify for a Bachelor degree in Engineering from one of these colleges.

- 3) *Pre-law curriculum*

The Association of American Law Schools explicitly states that there is no definite, preferred major in a pre-law program, but stress the need for broad, liberal arts education. The Core Curriculum, which stresses wide reading, group discussion, and writing, forms an excellent base for the study of law. No major is necessarily better for the pre-law student than others. Therefore, the pre-law program is not under the direct charge of any single department, but a pre-law advisor is available for consultation. Take courses which require considerable writing; precise, accurate written expression is vital in the legal profession.

Regardless of one's major, courses in the social science-economics, history, political science, psychology, and sociology-should be included within the college program. One year of accounting will prove useful in law study.

Freshman pre-law students enroll in Core 1 and three of the following, depending on tentative major: accounting, American government, American history, economics, psychology, sociology, English, or a foreign language.





## GRADUATION REQUIREMENTS

### Semester Hours and Cumulative Index

1. A minimum of 60 semester hours and a cumulative index of 2.00 are required for the associate degree. The last 15 hours must be taken in residence.
2. A minimum of 120 semester hours and a cumulative index of 2.0 are required for the Bachelor's degree. The last 30 semester hours must be taken in residence.
3. A cumulative index of 2.0 is required in the major, the minor, and the Core in order to receive a Baccalaureate degree.
4. A minimum of 124 hours and cumulative index of 2.50 are required of students majoring in Education.

### Associate Degree

Thirty semester hours of the 60 semester hours required for the Associate Degree must be completed at SJC and the last 15 semester hours must be taken in residence. Students possessing a Bachelor's degree must complete a minimum of 18 semester hours at SJC and fulfill all the degree requirements in order to receive an Associate Degree. For the A.A. degree in the Humanities, the student must complete all Core courses (45 credits) plus 15 credits from the fields of Communication & Theatre Arts, English, Foreign Language, Music, Philosophy, and Religion.

### Bachelor Degree

The Bachelor of Arts Degree (B.A.) and the Bachelor of Science Degree (B.S.) at SJC reflect an integrated curriculum composed of the college Core Program, a major program of study, a minor program of study and elective courses. Both degrees are committed to general education and career preparation with the Bachelor of Arts grounded in the Liberal Arts and the Bachelor of Science grounded in mathematics and quantitative analysis. The degrees are defined by the College and refined by the departmental requirements.

### Core Curriculum

These 45 credit hours (Cores 1-10) are required of *all* students at the College, no matter what their major. Only students in two or three-year programs are exempt from specified parts of the Core Curriculum.

### Major, Minors, and Group Majors

In order to graduate with a B.A. or B.S. degree a student must complete the Core curriculum, a major and a minor, or a group major. A major consists of a minimum of 36 semester hours of credit. A minor normally consists of 18 semester hours of credit. A group major normally consists of 54 semester hours of credit from several departments.

Students who fulfill the requirements of two majors may graduate with a double major. Students who complete a B.A. program and a B.S. program will receive two diplomas.

Students already holding a Bachelor's degree may qualify for a second Bachelor's degree by completing a minimum of 24 semester hours in a major and fulfilling all the departmental requirements for the major.



## 18 Graduation Requirements

### Degree Candidacy

Seniors are considered to be degree candidates if:

1. They have six semester hours or less remaining to be fulfilled.
2. They have registered for SJC's Spring Session.
3. They meet the cumulative index requirements listed above.

Degree candidates may participate in the regular commencement ceremony but without a Bachelor's hood.

### Off-Campus Degrees

Students who have attained senior standing after the completion of three years of residence and who have then transferred to a school of law, engineering or medicine may secure the degree as follows: in addition to the normal graduation requirements candidates will be required to show successful completion of the first year's work in the professional school in which they have enrolled.

Students transferring to a professional school and planning to graduate after the fourth year, may graduate with honors if the cumulative index for work at SJC and at the professional school meets the required standard.

Students majoring in medical technology complete three years of on-campus courses and a twelve-month hospital education program.





# Financial Affairs





20    **Tuition and Fees**

**TUITION AND FEES 1994-95\***

**Tuition**

Tuition for one semester (full time-12 to 16 hours)	\$5600.00
Per credit hour up to 11 hours	\$380.00

This entitles the student to:

1. Academic instruction and advisory direction.
2. Access to Health Center Facilities at posted fees.
3. Subscription to the College newspaper.
4. Admission to all student activities.
5. Admission to athletic events.

Dependent children of the same family attending full time simultaneously receive the following tuition reductions: two members (10% reduction); three members (15% reduction); four members (20% reduction each).

Sons or daughters of graduates from Saint Joseph’s College receive a 10% reduction in tuition.

**Room and Board**

Room and Board for one semester	\$2125.00
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This entitles the student to semi-private room and to three meals a day, six days a week, Sunday brunch and dinner, except during scheduled vacation periods. Resident students must take meals in the College dining center unless excused with a valid medical excuse confirmed by the College physician. Students requiring special diets for medical reasons must consult with the College Physician.

Private Room & Board for one semester	\$2575.00
Room and Registration Deposit (Applicable to room charge, Payable by April 1, not refundable)	\$ 100.00

**Conditional Fees**

Audit fee (per credit hour)	\$50.00
Car registration	\$5.00
Course change	\$10.00
Credit by Examination (per credit hour)	\$50.00
Education Practica Fee	\$25.00
Graduate tuition (per credit hour)	\$415.00
Internship fee	\$125.00
Laboratory fees	\$16.50 to \$28.00
Late Registration	\$25.00
Music lesson	\$120.00
Recording fee (per credit hour)	\$25.00
String techniques	\$65.00
Student teaching	\$125.00
Transcript of credits	\$3.00
Tuition per credit hour above 16	\$380.00

**Special Fees**

Admissions deposit	\$200.00
Application fee (paid at initial entrance)	\$25.00



Damage Deposit (paid by all residents)*	\$100.00
General Services fee (Day students-cr. hour)	\$10.00
Graduation fee (paid once-senior year)	\$80.00
Recreational Facilities fee**	\$50.00
Student Association fee**	\$55.00
Student Center**	\$60.00
Student Identification card	\$5.00

\* Refunded one month after graduation or withdrawal, minus damage charges.

\*\*Paid each semester by all students enrolled for 12 or more credit hours.

**Special Part-time Fees**

Area students taking one course only (credit hour)	\$172.00
BSN students (credit hour)	*
RN students; St. Elizabeth’s (credit hour)	\$172.00
General services fee (all part-time/credit hour)	\$10.00
* 1 to 6 cr. hr.	\$172.00/cr. hr.
7 to 11 cr. hr.	\$380.00/cr. hr.
12 to 16 cr. hr.	\$5,600/semester

**Laboratory Fees:**

Art	\$22.00
Basic Athletic Training	\$25.00
Biology	\$22.00
Chemistry (except 55)	\$16.50
Geology	\$16.50
Journalism	\$26.00
Music 28	\$22.00
Nursing 42	\$25.00
Physical Education	\$15.00
Physics	\$16.50 to \$28.00
Psychology	\$22.00

**Financial Policies**

Upon acceptance by the admissions office, each prospective student is required to make a \$200.00 deposit (refundable up to May 1). Upon enrollment, the \$200.00 is deducted from semester expenses. In addition, all new resident students pay a \$100.00 room and damage deposit (refundable when the student graduates or withdraws if there are no room damage charges). All charges are to be paid by August 10th for the first semester and by December 10 for the second semester. Each month a 1-1/2 % service charge will be levied on all unpaid balances. The service charge is computed by a "PERIODIC RATE' of 1-1/2% per month which is an annual percentage rate of 18% applied to the previous balance.

A student will not be allowed to register for any subsequent terms if there is an unpaid balance on the student’s account. Degrees, grade reports, transcripts, and letters of honorable separation are withheld from those who have not settled their financial obligations to SJC including, if any, all collection fees, attorney’s fees, and court costs.

If final payment is by personal check at least two weeks must be allowed for clearance of the check.



22    **Financial Policies**

Remittance should be made payable to SJC by bank draft, personal check, or postal money order and mailed to SJC, College Bank, Box 889, Rensselaer, Indiana 47978.

**Refund Policy**

- (1) Through the first calendar week of the semester.....90%
- (2) Within the second calendar week of the semester.....75%
- (3) Within the third calendar week of the semester.....50%
- (4) Within the fourth calendar week of the semester.....25%
- (5) After the fourth calendar week of the semester.....None

The above schedule applies to tuition, mandatory fees and room for students voluntarily withdrawing from the College. Board will be refunded on a per diem basis. Students attending their first semester at SJC and receiving federal student aid will receive a pro-rata refund of tuition, mandatory fees, room and board, less an administrative fee of \$100.00up through the ninth week of the semester. Refunds are made as of the date the student officially notifies the Registrar’s office of the withdrawal.

**Payment Plans**

SJC offers arrangements for those desiring to meet college costs via monthly payments. Those not selecting an advance payment plan option must pay each semester’s net costs in full by August 10 for fall semester and December 10 for spring semester.

SJC Ten-Month Payment Plan. This Plan allows you to pay for college costs in 10 convenient monthly payments commencing June 1st. The cost of this plan is \$35.00. There are no other fees or interest charges. The plan is administered by Knight College Resources Groups and information concerning the plan will be sent to you in late spring. If you wish, you may call Knight College Resources Group directly Toll-Free (800) 225-6783 for information.

An Extended Repayment Plan is also offered through Knight Tuition Plans. This plan of monthly loan repayment may help you cover a part of your SJC costs. Information on the plans will be sent to you or you may write: Knight Tuition Payment Plans, 855 Boylston Street, Boston, Mass. 02116.

**FINANCIAL AID**

The College adopts as its own the philosophy that the primary responsibility for financing a college education rests upon the student’s family. Financial aid from college and other sources is viewed only as supplementary to the effort of the family. Students requesting financial aid are also expected to contribute toward their education expenses, through summer or school term earnings or loans in any reasonable combination. The College is prepared to assist the student through academic scholarship, grants, loans and employment.

**Application For Aid**

All necessary financial aid application forms can be obtained from the office of Admissions, or the Office of Student Financial Aid.

**Scholastic Aptitude Test**

All candidates for financial aid must take the Scholastic Aptitude Test of the College Entrance Examination Board or the ACT test (The American College Testing



Program). Complete information can be obtained from high school counselors.

Free Application For Federal Student Aid (FAFSA)

Students seeking financial aid are required to submit an institutional application to the College and the Free Application for Federal Student Aid (FAFSA). Saint Joseph’s College should be designated as one of the recipients on the FAFSA. For priority consideration the financial need analysis report must be received by the Financial Aid Office by May 1. The FAFSA form can be obtained from the high school counselor, or from the Saint Joseph’s College Financial Aid Office.

Academic Scholarships and Grants

SJC annually offers scholarships to worthy and needy students. The scholarships are awarded on the basis of academic achievement and promise, as determined by the student’s high school record, in conjunction with SAT scores. Normally those students seeking academic scholarships range in the upper quarter of their class in rank and have SAT scores of 1000 or higher.

The amount of the scholarship award is based on the student’s financial need. For this aid the FAFSA is required.

The first scholarship or grant is awarded for the freshman year. It is thereafter renewable every semester which the student spends at SJC until graduation, provided that in the previous semester at least a B average has been maintained and the need continues. If a student loses a scholarship it can be reinstated only by special action of the Committee on Student Financial Aid, which will normally expect a least a cumulative average of B.

Trustee Scholarships

While financial aid, including academic scholarships, is normally related to need, an exception is made in favor of those exceptionally qualified, to whom a partial tuition scholarship may be extended on the basis of academic merit as determined by the student’s high school record and SAT or ACT test scores. Students who rank in the top 25% of their graduating class and have an SAT combined score of 1000 or an ACT composite score of 24 or higher are eligible for initial consideration.

Trustee Scholarships are awarded in increments of 25%, 50% and 75% of tuition for full-time students. The scholarship is renewable annually, contingent upon maintenance of the required grade apoint average for each scholarship level:

Scholarship level	GPA required for renewal
75% of tuition	3.4
59% of tuition	3.2
25% of tuition	3.0

Minority Leadership Awards

Up to ten awards are made each year to minority high school graduates who have exhibited outstanding leadership qualities in high school. Eligibility for these awards is restricted to students who fit the federal government’s definition of "minority": Black, Hispanic, Native American, Asian, or Eskimo. The student must maintain a 2.50 cumulative grade point average to retain the award past the freshman year.

Endowed Scholarships

The following scholarships have been established by contributions to the



## 24 Financial Policies

Endowment Funds of the College for general or the specific purpose listed:

The Michael and Mary Brisch Scholarship.

The William Downard Scholarship. The income from an endowment awarded to a student majoring in history or political science.

The Alvin W. Druhman, C.PP.S. Memorial Scholarship.

The William E. and Kathleen Herber Scholarship.

The Thomas J. Huhn Athletic-leadership Scholarship. The income from an endowment established by Thomas J. and Elizabeth McNulty Huhn is awarded to talented and qualified student-athletes from the greater Fort Wayne, Indiana area on a competitive basis.

The Cecil E. Johnson M.D. Scholarship. The income from an endowment awarded to a student majoring in the sciences, preferably in the pre-med program.

The Christopher Jones Memorial Scholarship established by the late Irene and Arthur J. Hellyer, with the income awarded to a needy student studying for the priesthood.

The Joseph McNamara Scholarship Fund.

The Monsignor Moore Scholarship.

The Carl F. Nieset, C.PP.S. Scholarship.

The Charles J. Robbins, C.PP.S. Scholarship. The income from an endowment established by Peter S. Shen in honor of Charles J. Robbins, C.PP.S., former Registrar and Professor at Saint Joseph's College.

The Cecilia J. and Thomas Ryan Memorial Scholarship.

The Schumacher Family Scholarship

The Peter S. Shen Scholarship. The income from an endowment awarded to a student majoring in a natural science or related area.

The John W. Sweeterman Scholarship.

The Edward J. Van Houten Memorial Scholarship.

The Alice M. and George K. Ward Scholarship.

The Paul White, C.PP.S. Scholarship.

### Named Scholarships

Over the years SJC has named several scholarships which are awarded each year in memory of persons who have made major contributions to the life and progress of the institution. Annually the trustees of the College sponsor a Scholarship Dinner and the proceeds of the dinner are distributed as Trustee Scholarships the following year:

The Kenneth and Margaret Ahler Scholarship.

The Gladys Anderson Scholarship.

The Emil and Delores Babiarz Scholarship.

The Stanley and Agnes Babiarz Scholarship.

The J. Michael and Judy Bartels Scholarship.

The John and Ellen Benish Scholarship.

The John and Mary Jo Boler Scholarship.

The Eugene Carlos Scholarship.

The Robert and Genevieve Causland Scholarship.

The William and Jane Courtney Scholarship.

The Edward and Rosemary Cox Scholarship.

The Bogdan and Charlotte Czarnowski Scholarship.

The Francis J. Davis Scholarship.

\* C.PP.S. are the initials for the Roman Catholic Religious Society that has operated and staffed Saint Joseph's College since the beginning. The initials stand for the Missionaries of the Precious Blood.



The John J. and Helen A. Fagan Scholarship.  
The Francis and Rita Gallucci Scholarship.  
The Louis and Rose Gallucci Scholarship.  
The James Gladieux Scholarship.  
The Raphael Gross, C.PP.S. Scholarship named in honor of the 12th president.  
The John and June Guckien Scholarship.  
The George and Wilhelmina Halas Scholarship.  
The Charles and Blanche Halleck Scholarship.  
The Richard and Maureen Hanson Scholarship.  
The James and Shirley Hays Scholarship.  
The Jacob and Theresa Kramer Scholarship.  
The Lucille Kremer Scholarship.  
The James and Susan Lennane Scholarship.  
The Frank and Mabel McHale Scholarship.  
The Ronald and Pauline Miniatt Scholarship.  
The Justin and Mary Oppenheim Scholarship.  
The John C. and Rosemary Pfeffer Scholarship.  
The William and Mary Putts Scholarship.  
The Ransom Family Scholarship.  
The Thomas F. and Mae Ritter Scholarship.  
The Keith and Kate Robinson Scholarship.  
The Benno and Cecilia Scheidler Scholarship.  
The Peter Schmidt Scholarship.  
The James Scholl Scholarship.  
The Brian Shannon Entrepreneurship Scholarship, awarded to a student majoring in the Entrepreneurship program.  
The William S. Staudt, C.PP.S., Scholarship.  
The G. Richard and Veva Schreiber Scholarship.  
The Augustine Seifert, C.PP.S. Scholarship, named in honor of the 1st president.  
The Lloyd and Mildred Tait Scholarship.  
The James Thordsen Scholarship, awarded preferably to a Puerto Rican student.  
The Joseph and Betty Whelan Scholarship.  
The Francis A. and Ann Wilhelm Scholarship.  
The Phillip J. Wilhelm Scholarship.  
The James and Joyce Zid Scholarship.  
The Raymond and Ruth Ziegman Scholarship.

### **Special Scholarships**

Special scholarship funds have been established on occasion that are not part of the permanent endowment but are awarded by presidential or donor designation. These are: The Frank Callahan Scholarship, The Central Newspapers Foundation Scholarship, The Cummins Engine Scholarship, Sealy Spring Corporation of Indiana Scholarship, The Cyril Knue Scholarship, The Dan Mauch Memorial Scholarship, The Trustees Scholarship (sometimes named e.g., -1984: George S. Halas; 1989: Charles Banet, C.PP.S.), First of America Bank-Rensselaer Scholarship, The Benno & Cecilia Scheidler Indiana Scholarship.

### **Federal Supplemental Educational Opportunity Grants**

Supplemental Educational Opportunity Grants are available from the federal government through the College to a limited number of students with financial need



## **26 Financial Policies**

who require these grants to attend college.

Eligible students who are accepted for enrollment or who are currently enrolled in good standing, may receive Supplemental Educational Opportunity Grants for each year of their higher education. Grants range from \$200 to \$4,000 a year. Applicants should follow the same procedure as outlined for academic scholarships.

### **Federal Work-Study Program**

Students who need a job to help pay for college expenses are potentially eligible for employment by the College under federally-supported Work-Study programs. Seventy-five percent of the money is furnished by the federal government and twenty-five percent by the College. The maximum students may work under this program is 40 hours a week, though during school time it normally is limited to 15 hours a week.

### **Other Student Employment**

In addition to the College Work-Study program there are limited number of other jobs. The student should bear in mind that employment should not detract from academic needs. The working time is normally limited to 15 hours a week.

On campus there are calls for clerical and laboratory assistants, but most openings for employment are for maintenance and dining hall positions. Application for campus employment should be filed after one is on campus and enrolled Resident students may not engage in any business enterprises on campus during the school year without permission of the Vice President for Student Affairs.

### **Veteran's Assistance**

Saint Joseph's College is officially approved as a school for veterans of military service and for eligible dependents of deceased or disabled veterans.

### **Vocational Rehabilitation**

Under the provision of Public Law 565, the federal government and the state jointly provide funds for grants to students who have a physical or mental impairment which constitutes a vocational handicap. The State Vocational Rehabilitation Division is responsible for the determination of these grants.

### **Indiana Higher Education Award Program**

These awards are made by the State of Indiana to residents who show financial need and are attending an Indiana college. It is granted in annual amounts and can not exceed the costs of tuition and regularly assessed fees.

Freedom of Choice Grants are awarded to students who receive a maximum Higher Education Award and still show need and plan to attend an eligible independent institution of higher education within the State of Indiana. This program is designed to help financially needy students who choose to attend an independent institution.

In order to qualify for both of these grants, a student must demonstrate financial need and must have been admitted to the College. A student must submit a FAFSA during the senior year in high school. FAFSA should be submitted prior to March 1st. The combined grants may equal but not exceed the total of tuition and fees. Unless a student has been informed, any amount given by the Financial Aid Office is only an estimate and is subject to change or confirmation by the State Student Assistance Commission of Indiana.



**Federal Pell Grant Program**

The federal government also operates a grant program for college students based solely on need. Application blanks are available in the high school and colleges and many other public places, or application may be made through the Financial Aid Form.

**Federal Perkins Loans**

The College participates in the Perkins Student Loan Program. Ninety percent of the money is provided by the federal government, and ten percent by the College. All loans are based on need.

A student may borrow up to \$4500 for the first two years of college, and another \$4500 for the last two years. The repayment period and the interest do not begin until six months after the student's studies are completed. The loans bear interest at the rate of five percent per year and repayment, a minimum of \$30.00 a month, may if necessary extend over a period of years.

**Federal Stafford Student Loans**

Under this program a dependent student may borrow from a bank or other financial institution a maximum of \$2625 a year for the first year, \$3500 for the second year and \$5500 a year for students who have completed two years.

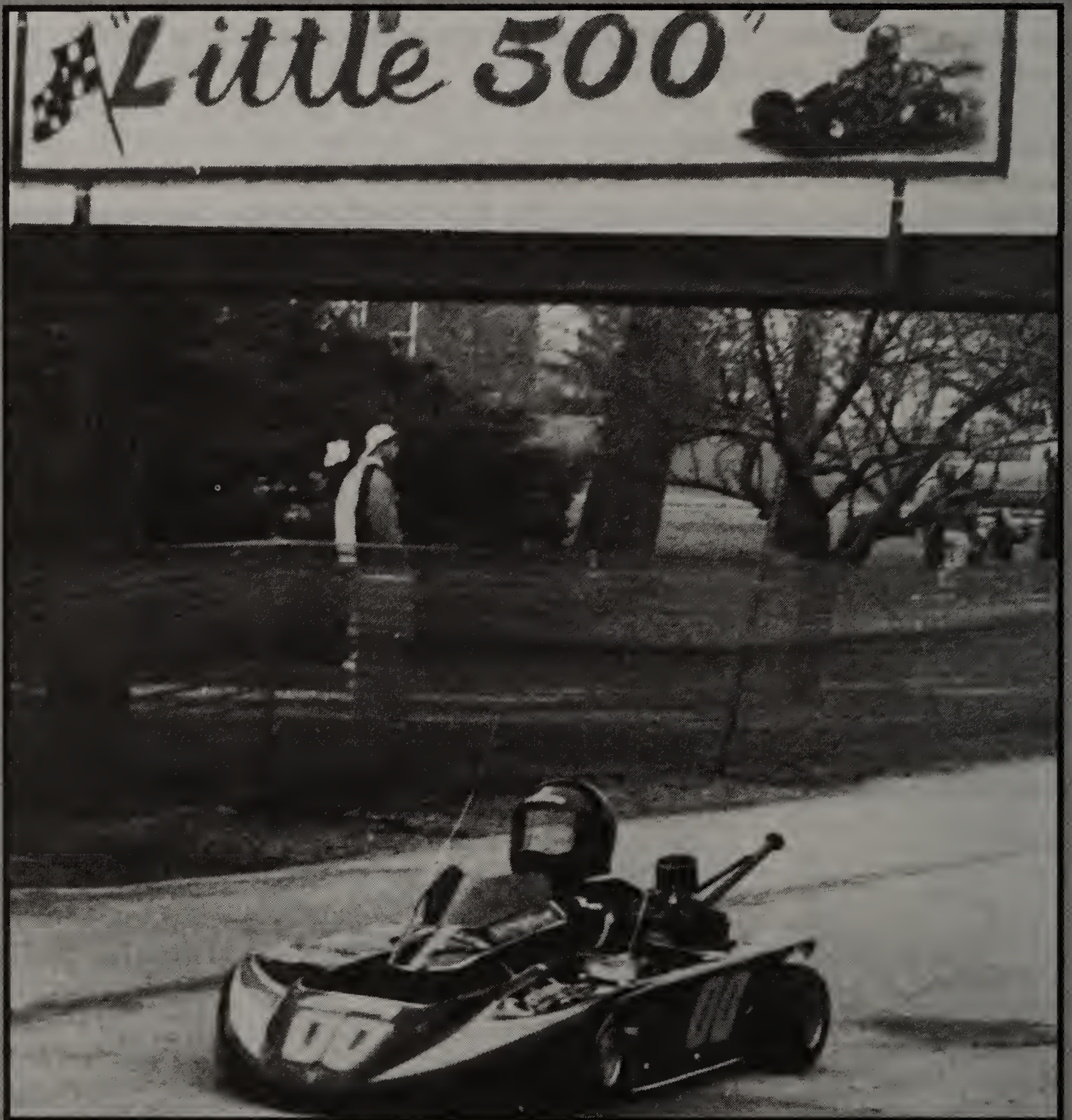
**Athletic Grants**

Athletic Grants are awarded to qualified athletes upon recommendation of the Department of Athletics.





# Student Affairs





## STUDENT AFFAIRS

Admission to SJC bestows on the student a set of privileged rights which have a set of correlative duties. Each student is responsible for knowing, fostering and protecting these rights both individually and collectively. It is understood that the privileges of attending SJC may be withdrawn from anyone who does not abide by the conduct regulations designed to protect and facilitate the exercise of these rights. SJC accepts an obligation to provide advisory agencies to educate students in a responsible use of their rights and supervisory agencies to protect student from violation of the liberties prized by the College.

Upon entering the College community, each student is furnished with a Student Handbook in which the specific rules of student conduct are contained. These are official statements developed by appropriate faculty, administration and student committees. Students are to study them. Questions of meaning or interpretation should be addressed to college officials, especially the Vice President for Student Affairs. These policies apply to the student from the time of enrollment in the College.

Every effort is made to encourage the student toward self-government in accordance with the ideas of obedience, honesty, courtesy and charity. When, however, students manifest an inability or unwillingness to cooperate with the College in maintaining its regulations and policies, they subject themselves to disciplinary action. Matters of discipline are handled by the Vice President for Student Affairs with a review possibility by the College Review Board. The jurisdiction of the Vice President for Student Affairs includes but is not limited to cases of dishonesty, intoxication, immoral and improper conduct, serious violation of campus regulations, or behavior prejudicial to the welfare of the student or the best interests of the College. The penalties imposed by the College may be probation, suspension, dismissal, or other action it may deem appropriate.

In matters pertaining to social life, discipline, curriculum and scholarship, all students come under the counsel and supervision of the Vice President for Academic Affairs and the Vice President for Student Affairs, according to the respective jurisdiction of each office. Matters of health are the concern of the College Health Center. Administrative officers, assisted by student-faculty committees, make it their purpose to become familiar with student problems and to secure the observance of adopted policies and faculty regulations.

### Student Association

All full-time students are members of the Association and are governed by its constitution and By-Laws. Its elected officers plus the four class presidents, the campus-organizational senator, and the elected hall senators comprise the Student Senate. This group combined with its committees provides a channel of communication among students on the one hand and with faculty members and administration on the other. This Student Senate is the acting authority for the Association in its normal campus functioning--legislating, nominating, appointing, and directing.

### Student Union Board

This board is composed of students who volunteer their time to provide a comprehensive activities program at SJC. It is based on a committee structure and open to any interested student. Approximately 50 students are busy planning, promoting and coordinating special events such as coffee house type entertainment, dances, big screen films, comedians, travel programs to local and distant cities, quality



## **30 Student Affairs**

films on campus cable TV station, fine arts performances, and novelty acts.

### **Counseling Services**

Counseling Services at the College provide for the integration of personal and academic counseling. The objective of this program is to serve students continuously from orientation through graduation.

Typically the Counseling Services Staff assist students with academic and personal difficulties which impair maximum functioning.

Counseling Services provide information about personal adjustments, crisis intervention, and monitoring for students on academic probation. A study skills course covering time management, note taking, taking exams, and test anxiety is also available.

A peer tutoring service is monitored by Counseling Services. Tutors are recommended by faculty members and are available at no cost. Developmental reading assistance and diagnostic testing are also provided through Counseling Services.

Freshman Orientation is planned by Counseling Services and provides individual attention for each freshman.

### **Career Planning and Placement**

Career Planning and Placement provides services to aid all students in their career development, whether that be through career counseling, assisting in locating career-related work experience, or supporting the job search process. This office continues to work with students even after graduation, as alumni may also make use of the services and resources available. The Career Planning and Placement Office includes a resource library, interviewing room, and the office of the Director. Some of the services offered include: career counseling, the development of credential files, and workshops covering various job search topics. On-campus interviewing, graduate school information, and job listings are also available. Personal attention is a special focus of this office and the close ties established between the students and the staff continue even after graduation. Career Planning and Placement conducts an annual survey to determine the status of each year's graduating class.

Among the many companies who have hired Saint Joseph's graduates are Coca-Cola, Sherwin Williams Paints, NCR, A.T.&T., Jewel Foods, McDonnell Douglas, Peat Marwick, Price Waterhouse, Arthur Anderson, Leo Burnett, United Airlines, State Farm, Ernst & Whinney, GTE, Crowe-Chizek, Electronic Data Systems, Cook County Sheriff's Department, H.R.S./State of Florida, Indiana State Police, Tri-County School Corporation, Fox 32 News WFLD-TV, Indianapolis Public Schools.

### **Campus Ministry**

Campus Ministry at SJC functions as an integral aspect of the College Mission to provide the framework for spiritual, moral and ethical principles which reinforce the pursuit of truth. Campus Ministry service is geared toward the development of a Christian Community through worship and liturgical ministries, education, retreats, peace and justice awareness and individual outreach to students. The Campus Ministers live in the residence halls and are available to students as they adjust to campus life.

The Programs sponsored by Campus Ministry include: Liturgical Ministries, Kairos Retreats, Amnesty International Peace and Justice Group, Student Support Groups, Days of Reflection, Preparation for the Sacrament of Baptism, Confirmation and Marriage and an Outreach Program which allows students to experience life and volunteer in the inner city of Chicago and other similar areas around the U.S. Several



non-denominational Prayer Services are also held during the year; information about various opportunities for praying with other Christian denominations is also available through Campus Ministry. Campus Ministry Activities and Programs are open to students of all denominations.

### **Multicultural Affairs**

The Office of Multicultural Affairs promotes the value of cultural pluralism through various activities. The primary purpose of this office is to facilitate and ensure the retention of minority students by providing counseling services and programming that address the needs and interests of minority students. The Office of Multicultural Affairs provides counseling services to minority students who may be experiencing difficulties in their classes or in their adjustment to campus life at SJC. This Office also disseminates and provides information about private sources of financial aid, summer internship opportunities and graduate school opportunities for minority students. Additionally, the Office is also involved in the selection process of candidates for the Minority Student Leadership Awards for incoming freshmen.

The ultimate goal of the Office of Multicultural Affairs is to sensitize and educate the majority and the minority populations about multiculturalism and to achieve a global perspective on the necessity of healthy race relations.

### **Athletic and Recreation Programs**

SJC is proud of the student participation in its athletic programs. The intercollegiate program offers the opportunity to the student to participate in the sports of football, golf, volleyball, cross-country, basketball, baseball, tennis, soccer, softball and track on an interscholastic basis. At the same time the intramural program offers the opportunity to the students to participate in those same sports plus bowling, floor hockey and weekend activities of a special nature on an intraschool basis. Approximately seventy percent of the students on campus do participate in one or more of these activities.

The area for outdoor activities is more than ample to meet the need of recreational activities for the students. The facility layout includes nine football fields, a baseball diamond, many softball diamonds, a soccer field, five tennis courts and free play areas. The indoor facilities include a fieldhouse with four basketball courts, a gymnastics deck and a weight training room. In addition, Raleigh Hall provides adequate space for the wrestling program and a free exercise area for gymnastics, and the student center provides a ballroom for dance and social events.

The Lake Banet Recreational Area on the west side of the campus has facilities for swimming, boating and fishing, as well as picnic shelters and playing fields. The lake is also studied by ecology and geology classes.

### **Student Activities**

The Student Activities Office at SJC stresses the importance of co-curricular programs as supplemental to course work. Through participation in organizations, students learn about people and lifestyles different from what they have experienced in the classroom. Students can become involved in a variety of Student Organizations including: Student Union Board (SUB), Student Government, and Academic, Athletic, Honorary, Political Action, or Social Organizations.



## **32 Student Affairs**

Throughout the academic year the SJC calendar of events includes a variety of athletic, educational, cultural, social, and traditional programs. The traditional events that bring back many alumni and friends of the College include: fall Homecoming, Little Sibs Weekend, Parents Weekend and a "Little 500" race for go-karts. The programs developed, with the guidance of the Student Activities Office, contributes to a comprehensive educational experience for all students attending SJC.

### **Dining Service**

SJC Dining Services is proud to provide one of the highest quality Board Plans available in higher education today. Resident students are required to take all their meals in the College dining center unless excused with a valid medical excuse confirmed by the College physician. The plan provides for 20 meals per week. We serve breakfast, lunch and dinner on Monday thru Saturday and brunch and dinner on Sunday.

Every meal offers students a choice of two main entrees, in addition we feature a fantastic salad bar, self serve desserts, ice cream bar and beverages, with juice at every meal. With the exception of some special dinners "seconds" are unlimited.

We pride ourselves on the quality and diversity of the theme dinners we offer in the cafeteria. There is at least one lunch special and one dinner special every month: a Mexican Fiesta, Deli Buffet or a Prime Rib extravaganza just to name a few. We also provide food service and party planning for all clubs and student organizations throughout the year.

### **Bank**

Student accounts are payable at the College Bank. For the convenience of students, the College bank maintains a Passbook deposit account for safekeeping of savings or spending money. Check cashing service is also available here.

### **Bookstore**

The College Bookstore, located in Halleck Center, carries textbooks, stationery items, clothing, gifts, greeting cards, cosmetics and other supplies.

### **Day Student Lounge**

A special section of the Halleck Student Center located on the lower level is set aside as a gathering place for day students. The lounge affords commuting students a place to socialize with other students and to learn of the activities available to them as students. Lockers, microwave oven, television, telephone, study desks and campus mail boxes are located in the lounge.

### **Health Service**

All students admitted to Saint Joseph's College are required to have a completed health record. This health form consists of a personal history (to be completed by student), current medical examination and immunization record to be completed by physician. This report is to be received in the Johnson Health Center prior to registration. No student is permitted to register or to be housed until this form has been received.

The College physicians have regular, on campus hours and other times a nurse is on duty Monday through Friday. Major accident cases or illness of serious nature are referred to the hospital or, when possible, to the student's family physician.



### **Laundry Service**

A private agency provides coin-operated machines in each residence hall on campus for use by resident students.

### **Mail, Telegrams, Baggage, Fax**

SJC has its own post office branch. All mail, telegrams, express and baggage should be addressed to Saint Joseph's College, Rensselaer, Indiana 47978. Students are required to procure their own post office boxes for receipt of mail through the United States Postal Service. FAX transmissions should be addressed to the student at (219-866-6083).

### **Multicultural Affairs Lounge**

A lounge located on the second floor of Aquinas Hall has been established as a gathering place for students interested in sharing information concerning diverse cultures with other students and faculty. The lounge provides reading materials, television, stereo, and games for interested students.

### **Personal Property**

The College is not responsible for loss of or damage to personal property of the student from any cause. "Homeowner's" insurance policies generally cover personal property losses of dependents at college. Parents are urged to have an "extended coverage rider" on their personal property insurance policy to protect themselves in the event of loss. The College does not furnish this kind of insurance to students.

### **Security and Safety**

The Security and Safety Department provides twenty-four hours a day each day of the year surveillance of campus facilities and properties. And, the department provides statistics concerning infractions of law or College policy in accordance with federal regulation known as the "Student Right-to-Know and Campus Security Act of 1990."

### **Telephone**

SJC switchboard telephone number is (219)-866-6000. The College switchboard is open twenty-four hours a day each day of the year. Beginning in the Fall of 1994, all resident students will have their own extension number which may be reached by calling the main switchboard; when the AutoAttendant answers, the caller will enter the student's four digit extension number. The residents will also have the capability of making local, campus, and long-distance calls from their rooms. In addition, the phone system utilizes a voice-mail system so that callers may leave a message for the student they are trying to contact.

### **Vending**

Vending machines are placed throughout campus to dispense snacks and beverages. A game room with pinball and video arcade games and pool tables is located on the lower level of Halleck Student Center.



## **34 Campus Facilities**

### **CAMPUS FACILITIES**

#### **Academic Computer Center**

Established in 1988 as a center of administrative data processing. It also houses several faculty offices and the College's copy center.

#### **Administrative Computer Center**

Re-established in 1988 as a computer laboratory and hub of the academic computer network for students.

#### **Alumni Memorial Fieldhouse**

The Fieldhouse seats 2000 spectators and provides locker rooms for over 500 participants in the school intercollegiate sports programs. Besides serving as the site for Puma men's and women's basketball and women's volleyball games, the Fieldhouse is also the scene for some concerts sponsored by the Student association during the school year.

#### **Arts and Science Building**

The two wings of this building, completed in 1936, house science laboratories, the Music Department, the school library, the College auditorium and classrooms. The north-south wing includes Music Department offices and rehearsal rooms, the College's 400-seat auditorium, a computer laboratory, and the schools' 181,000 volume library. The building's east-west wing contains physics, chemistry, biology and geology laboratories in addition to many of the College classrooms.

#### **Dwenger Hall**

Erected in 1907 and named for the second bishop of the Diocese of Fort Wayne, it serves as the faculty office building.

#### **The Grotto**

A college student (Faustin Bernard Ersing) inspired the original Lourdes Grotto in 1898. In 1931 it was greatly enlarged and included the interior shrine containing the Carrara marble statue of Christ in Gethsemane. The stations of the cross in the grove together with the large boulder with a bronze plaque containing Saint Bernard's "Memorare" were erected in 1951 in memory of the parents of Father John Baechle, C.P.P.S., former professor at Saint Joseph's College.

#### **Halleck Center**

Halleck Student Center, named after Charles A. Halleck, the late Congressman from Indiana and a long-time member of Saint Joseph's Board of Trustees, serves as the College student union building. The Center houses the student dining room, the College bookstore, the snack bar, CORE XI, the office of the Vice President for Student Affairs, the Campus Life Office, the Campus Ministry Office, the Director of Public Information, the Student Association, Counseling Services, Career Planning and Placement Office, Switchboard, Student Newspaper Office, Day Student Lounge, and the Security and Safety Office.

#### **Hanson Recreational Center**

This building dedicated in 1986, is the center for individual sports; with facilities for basketball, racquetball, aerobics, baseball, tennis and track.



### **Lake Banet**

The 40-acre Lake Banet recreation facility is located at the southern edge of campus. Lake Banet offers fun in the sun and much more. The park is set up for picnics, volleyball, horseshoes, basketball, softball, swimming, jogging and other possibilities for exercise and relaxation.

Lake Banet is open for Memorial Day to Labor Day each season. During this time the park is staffed with lifeguards who are trained in American Red Cross Lifeguarding and Community CPR (adult, child, and infant). Park managers also compliment the staff, and in addition to the certification of lifeguards, they also have American Red Cross Water Safety Instruction.

Lake Banet has been host to several campus wide events including the "Triathlon at the Lake Banet Olympics," "Timbersports Lumberjack Festival," and "Polar Bear Games."

### **McHale Administration Building**

It is named in memory of Frank McHale, a member of the original Board of Trustees, and a benefactor of the College. It currently houses the offices of the President, Vice President for Business Affairs, Admissions, Development, Registrar and Financial Aid.

### **Post Office**

Constructed in 1987-88 to replace the original College post office. This is a public post office located on our campus.

### **Raleigh Hall**

This facility houses the varsity football and baseball offices, weight-lifting equipment, and is open for use by all students and staff. It also houses the Art Department and offices.

### **The Reflecting Pond**

A part of Saint Joseph's since the College's earliest days, the Reflecting Pond borders the Chapel at the College's main entrance. The scenic pond and fountain are picturesque sights to Collegeville students and visitors.

### **Saint Gaspar Center**

Named in honor of the founder of the Society of the Most Precious Blood, Saint Gaspar del Bufalo, this center serves the faculty as an area for monthly faculty meetings. It also is used as a classroom during the summer months for the Music/Liturgy program. Weekend and daily liturgies are also celebrated in the Saint Gaspar Center.

### **Saint Joseph's Chapel**

This attractive Romanesque brick and stone Chapel has served the College since 1910, and its stately twin bell towers have become synonymous with the College itself. Its basement contains the television studio, the College's FM radio station WPUM, psychology lab offices, the Board of Trustees' meeting room, the William L. Downard Faculty Club, the publications office, and a small dining room.



## **36 College Housing**

### **South Chapel Annex**

Re-established in 1986 for active use. The area houses campus mail room, Facilities and Planning offices, and shipping and receiving.

## **COLLEGE HOUSING**

The College's residence hall program is designed to contribute to the total development of the student. Emphasis is placed upon promoting intellectual awareness, developing effective self government, exposing the student to a group living situation, and providing an environment conducive to study. Each building includes lounge areas, a laundry facility and a microwave equipped kitchenette.

Because of the developmental value of living in a residence situation the College requires students to live in campus housing unless living with spouses or with parents or with immediate relatives who are **bona fide** residents of Jasper County.

### **Aquinas Hall**

First used as a residence hall in 1959, this three-story hall houses 26 students and is named for Saint Thomas Aquinas, patron saint of Catholic education. The first floor of this building contains offices for professors in the Education Department, a seminar room. The second and third floors are available for housing for the non-traditional student. Eligibility is determined on an individual basis with authorization being granted by the Assistant Vice President for Student Affairs.

### **Bennett Hall**

Named for the Most Reverend John G. Bennett, first Bishop of Lafayette, an alumnus and generous patron of the College, this hall houses 96 students and was dedicated in the spring of 1955.

### **Gallagher Hall**

Named after Robert A. Gallagher, first chairman of SJC's Board of Trustees and generous patron of the College, this hall was dedicated in 1958 and houses 126 students.

### **Halas Hall**

Dedicated in the fall of 1958, this hall is named for the late George S. Halas, member of the College Board of Trustees, generous patron of the College and owner of the Chicago Bears, who for years held summer training sessions at SJC. It accommodates 117 students.

### **Justin Hall**

Two hundred and forty-eight of Saint Joseph's students are housed in this three-story, air-conditioned facility. Named after the late Justin H. Oppenheim, member of the College Board of Directors, an alumnus and generous patron, the hall provides two comfortable lounges which join the building's two wings. It was dedicated in 1965.

### **Merlini Hall**

Merlini Hall accommodates 78 students, was dedicated in 1940, and is named after the Venerable John Merlini, the third Moderator-General of the Society of the Precious Blood.



### **Noll Hall**

Dedicated in the spring of 1955 and accommodating 97 students, this building is named after the Most Reverend John F. Noll, Bishop of Fort Wayne.

### **Schwietermann House**

Dedicated in May, 1963, this building serves as the residence for priests and brothers. The Y-shaped structure is adjacent to the Chapel and McHale Administration Building. It also contains the College health center and facilities for the nursing program.

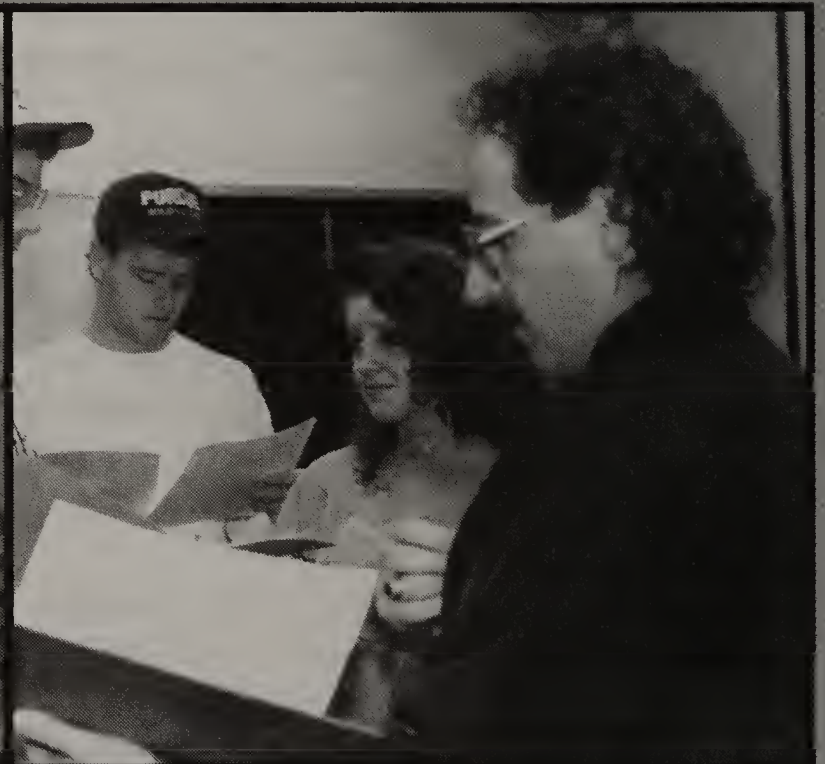
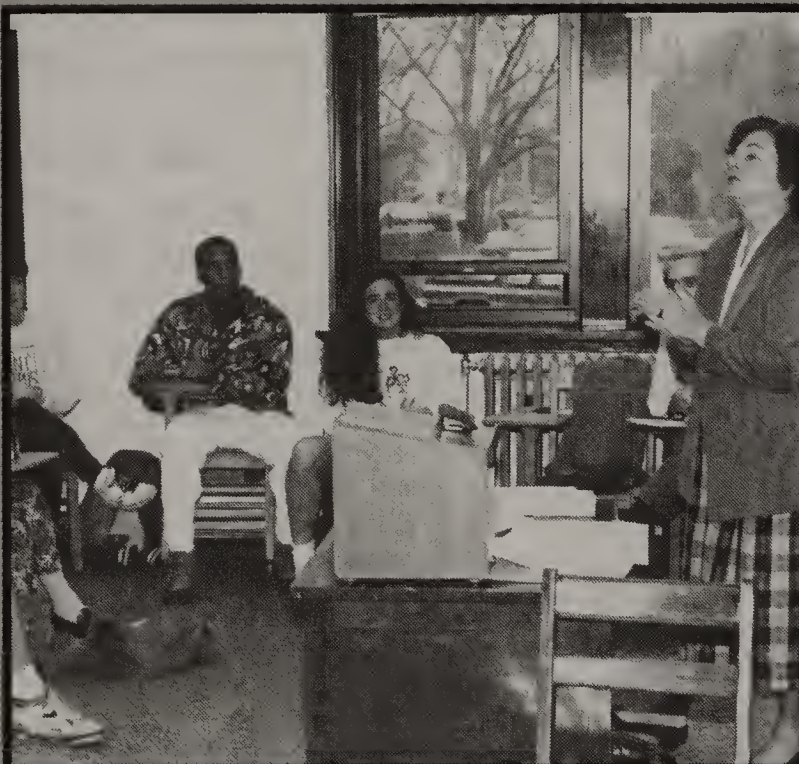
### **Seifert Hall**

This building accommodates 133 students and is named for SJC's first president, the Very Reverend Augustine Seifert, C.P.P.S. This building was erected in 1939.





# Academic Policies





## EARNING ACADEMIC CREDIT

### Enrollment

All students are expected to report to the campus on the date officially designated in the College calendar. No new student will be admitted unless official notice of acceptance from the Dean of Admissions has been received.

Students are enrolled as regular when they meet all entrance requirements and have been approved for a course of studies leading to a degree; as special if the student is not at present working toward a degree. Students may be registered as either full-time or part-time students. A full-time student is one who is carrying a minimum of twelve semester hours of college credit. Students failing to enroll or to pay fees and tuition on enrollment day as designated in the catalog may have to pay a late enrollment fee.

No student will receive credit for any subject unless registered. Changes in courses or class sections must be approved and recorded with the Registrar.

### Credits

The unit of academic credit is the semester hour. In courses other than Core, it represents the work of a semester course which meets once weekly for a fifty-minute period requiring approximately two periods of preparation. A class which meets twice weekly carries two hours of credit; three times weekly, three credits. One laboratory period (two to four hours) is the equivalent of one class meeting. The lowest passing grade required before a student can receive credit is D.

### Credit By Examination

Any regularly-enrolled student of SJC, in good academic standing, may receive credit for any course by passing an examination in the subject matter of the course. All passing grades and credit will be recorded on the student's record with an "X" next to the course number. (see restrictions listed below under "Eligibility").

1. Schedule of Tests: (a) at the beginning of the first semester; (b) the first semester final week; (c) the second semester final week.

2. Application to take credit-by-examination is made at the Office of the Registrar. The fee for each test is \$50.00 per credit hour.

3. Eligibility: Students may not receive credit by examination: (a) in courses which they are currently enrolled for credit, or have, at some time, enrolled for credit or audit; (b) in courses involving laboratory experience or practice; (c) in Core courses; (d) in applied music.

4. Recording of tests. A record shall be kept in the student's folder of all tests taken with the intention of receiving credit by examination. If the student receives an A, B, or C grade in the examination process, credit and a grade of P will be recorded on the transcript. By exception, these P grades from credit by examination will be counted toward the major or the minor. If the student does not earn a P, nothing is recorded on the transcript.

5. The tests shall be tests of the type given in the course for which the student is seeking credit. Such tests shall be made out, scored, graded and administered by an instructor appointed by the Vice President for Academic Affairs.

### Clep

Credit is available upon successful completion of the College Level Examination Program (CLEP). A score at the four-year college mean or higher on the sophomore



norm group is required for credit.

### **Auditing Courses (No credit earned)**

Auditing a course means attending class without obligation with respect to regularity of attendance, outside classwork, or examinations. Students register for audit courses in the same manner as for credit courses. The total number of credit and audit hours combined for which a student registers may never exceed twenty-one a semester. Audited courses are recorded in the Registrar's Office and are shown on the student's permanent academic record with the symbol Z.

### **Experiential Credit**

Saint Joseph's College recognizes that knowledge and skills can be gained on the job as well as in the classroom and so experiential credit may be awarded to students who have demonstrated learning which is equivalent to college level knowledge and skill. Students enrolled in degree programs at SJC may request permission from the Vice President for Academic Affairs to prepare a portfolio for evaluation. The following criteria apply:

- Students will normally be at least 25 years of age and enrolled in a degree program in the College.
- The awarding of credit shall not interfere with the requirements for professional certification or outside licensing (e.g. CPA, education certification).
- No student shall receive more than 21 hours of credit via this method.
- A student must have at least one semester as a full-time student at SJC before applying for this type of credit.
- Credit will be awarded only for areas of study currently recognized as creditable at SJC.

Students must spend an academic term in the preparation of the portfolio. It is the student's responsibility to document and to demonstrate the knowledge which approximates the college credit being sought.

Evaluation shall be conducted by persons holding faculty appointment in appropriate disciplines and who are skilled in the evaluation process of experiential credit.

Credit will be awarded based on standards and guidelines for relating learning outcomes to units of credits.

Upon recognition of credit, entry shall be made on the student's transcript and shall be noted as experiential credit.

### **Internships and Practical Experience**

The College provides a variety of programs which encourage students to apply knowledge outside the classroom. These programs help the student test career choice decisions and provide them with work experience.

In addition to departmental programs (in accounting, business, communications, radio/TV, journalism, political science, pre-law, psychology, sociology) the College is affiliated with The Washington Center in Washington, D.C. The Center offers semester long programs combining internship placement and coursework to qualified junior and senior students from a variety of majors. Recent Washington Center intern placements include theatre, radio, TV, congressional offices, businesses, non-profit organizations, lobbyists, and in the State and Defense Departments. Students interview with the organization(s) of their choice and are then placed for the semester.

To be eligible for an internship, students must have a GPA of 3.00 overall and in



their major, must have attained junior status (i.e., earned 60 or more credit hours), must have passed all prerequisites for internships, and must have the positive recommendation of the departmental coordinator of internships. Internships may carry from 3 to 9 hours of academic credit, depending on length of time and level of work involved. The students are evaluated by their supervisor at the job site, but the final grade (A to F) is assigned by the departmental sponsor of the internship. A special fee is charged for the administration of all internships, except those with The Washington Center.

### **Independent Study**

This program provides the opportunity for degree-seeking students, during regular semesters, to pursue special topics, reading programs, or projects within existing departments apart from courses listed in the catalog. Students who have completed the freshman year may apply for an independent study by preparing a proposal for the faculty member who might sponsor the project. This proposal should be submitted 30 days prior to registration for the semester in question. After the faculty sponsor has approved the project, the student must receive permission from the Vice President for Academic Affairs and then register for the independent study.

One, two, or three credit hours may be proposed for a project, and the credit and grade thus earned will be entered on the student's record and count toward graduation. The student registers for the independent study during the regular registration period, and all provisions of the official College calendar must be observed.

### **Directed Study**

In rare instances a degree-seeking student may need a course in the College catalog that is not in the published schedule for the current term. In such cases, the Chair of the Department involved must justify to the Vice President for Academic Affairs a request for the student to do the course via private instruction. The Chair must also show why some other courses cannot substitute for the course in question. Before final approval is given, the Department will show how the directed study will be comparable in content, assignments, papers, and tests to the catalog course as normally offered, and the official College calendar must be followed.

### **Transfer Policies**

SJC welcomes students from other accredited institutions. Students wishing to transfer must be in good standing at their former institution, that is, must be eligible to continue at the former institution. The following guidelines are in effect and any exceptions must be made by the Vice President for Academic Affairs.

1. Students may transfer up to 60 semester hours from an accredited two year institution, 70 semester hours with an Associate Degree, and up to 90 semester hours from an accredited four year institution.
2. No more than 12 correspondence credits will be accepted.
3. Only official transcripts will be evaluated by the Registrar.
4. CLEP scores and Advanced Placement test scores will be evaluated for transfer credit.
5. Credits earned more than 15 years prior to admission will be evaluated for transfer credit only after the student completes 30 semester hours at SJC.
6. Credits earned from non-accredited institutions will normally not be accepted.
7. Quarter hour credits are evaluated on a 3 to 2 ratio at SJC.
8. Credit hours in which students receive a D or F will normally not be



transferred.

9. Students enrolled at SJC may take course credit elsewhere and have it transferred back to SJC with the approval of the Vice President for Academic Affairs. Only grades of C or higher are acceptable and transfer grades are not computed in a student's GPA.

### **Spring and Summer Sessions (Terms 3 and 4)**

SJC offers an extensive, fully-accredited spring program. In addition the College offers a full summer program in Church Music for both graduate and undergraduate credit.

### **Study Abroad**

Students who wish to spend a semester or a year studying abroad should contact the Advisor for International Studies as soon as they start considering this possibility. Careful planning has to go into the scheduling of courses, so that all graduation requirements will be met in timely fashion.

If the time abroad is spent at one of SJC's own extension campuses (England, France, Germany, Austria, the Netherlands, Spain, or Central America), all courses and grades and credits will be entered into the student's academic record. If the student makes arrangements to study at a different university abroad, other than the SJC extension campuses, then all of the transfer of credit policies have to be applied.

### **REGISTRATION, ADD/DROP & WITHDRAWAL**

A "Schedule of Classes" is published for each semester, showing the courses that are offered, the time of meetings, the room numbers, and the instructor. The College reserves the right to cancel any course for low enrollment. SJC also reserves the right to assign students to class sections and to limit the number of students who may enroll in a course.

Faculty advisors assist students in planning their programs of study. In all cases it is advisable that the student select a major by the end of the Freshman year and consult the faculty advisor regarding the pattern of courses for the major and minor sequences and the appropriate electives. A student's semester schedule of classes will not be considered final until it has been approved and filed in the Office of the Registrar.

### **Add/Drop Period**

During the first week of classes in each semester a student may, with consent of the Registrar, change a schedule by adding or dropping courses. Courses dropped during this period do not appear on the student's permanent record.

### **Class Load**

The normal course load for one semester is fifteen or sixteen hours. To be classified as full-time a student must register for a minimum of twelve semester credits. Normally, every full-time student must be registered for the proper Core segment, unless an exception is granted by the Vice President for Academic Affairs.

Permission to register for a course in excess of eighteen hours must be obtained from the Vice President for Academic Affairs. The basis for such permission shall be the student's ability as evidenced by previous college work. The regular hourly tuition cost will be charged for each credit hour in excess of sixteen. Exception to this overload fee is made for course work in a foreign language and for programs which require



more than sixteen hours a semester.

### **Class Attendance**

Students are required to attend all officially scheduled lectures, discussions, laboratory exercises and examinations. Absences may be excused for reasonable causes, such as sickness, death or serious illness in the student's immediate family, a wedding in the family, intercollegiate sports or other College activities (such as field trips), and circumstances beyond the student's control such as government summons, bad weather, etc. The judge of reasonableness in any case is the instructor.

Sanctions for unexcused absences from class are the prerogative of the individual instructor. Sanctions may include a failing grade on any work due on the date of an absence, a reduction of the final grade for the course, or a failure in the course.

### **Withdrawal From Courses**

After the add-drop period, students wishing to withdraw from a course must present written evidence of consultation with the instructor and faculty advisor to the Registrar. To withdraw from Core courses a student must also have written authorization from the Vice President for Academic Affairs.

Forms for course withdrawal can be obtained at the Office of the Registrar. Such withdrawals will be indicated on the student's record with the letter "W". No official withdrawals will be given later than two weeks beyond the date for mid-term grades. (See College Calendar). Students who register for a PE or computer course that begins at mid-term may officially withdraw from the course without penalty by the end of the twelfth week of that semester. All other regulations apply concerning a grade of "W" or "F".

Students who are assessed an overload fee and then withdraw from a course will be refunded a portion of the overload fee based on the week of withdrawal relative to the start of the course. The amount of the refund will be calculated according to the College "Refund Policy" scale on page 22 of this Catalog.

### **Withdrawal From The College**

Students not intending to register for the following semester are required to inform the Registrar and the Vice President for Student Affairs. Any student who withdraws during the semester must notify the Vice President for Student Affairs and the Registrar. Any student who withdraws without proper notification will forfeit honorable separation. Students who discontinue either during or at the end of a semester without having settled their financial obligations to the College will be refused official transcript of credit until all accounts are paid. If a student withdraws voluntarily or is dismissed, "W" grades are assigned.



GRADING

Students earn one of the following letter grades for each enrolled course:

<u>Grade</u>	<u>Quality Points</u>
A	4
A-	3.67
B+	3.33
B (above average)	3.0
B-	2.67
C+	2.33
C (average)	2.0
C-	1.67
D+	1.33
D (Acceptable but poor)	1.0
F	0.0
W (Withdrawal	
I (Incomplete)	
Z (Non-credit/Audit)	
N (Not pass - no credit)	
P (Pass)	

Calculate the GPA by multiplying the number of credits earned by the quality points, then divide the sum by the total number of credits earned. For example:

<u>Grade</u>	<u>Credit</u>	<u>Quality Points</u>	
A	3	4.0	= 12.00
B-	2	2.67	= 5.34
C	4	2.0	= 8.00
B	1	3.0	= 3.00
D+	<u>3</u>	1.33	= <u>3.99</u>
	13		32.33

Q.P. Cr. GPA  
32.33 ÷ 13 = 2.49

Only credits earned at SJC are used in calculating the GPA.

Grade Changes

The incomplete grade is given when under unusual circumstances a final grade cannot be given. It is not to be used by either the student or the instructor as a way of indiscriminately extending the semester or other grading period, nor is it to be used at the mid-term grading period. A course in which the grade of I is received will not be considered in computing the GPA until the incomplete grade is removed. If the I grade is not removed within five weeks after the close of the semester, a grade of F will be assigned.

Grades cannot be changed once they are submitted to the Registrar’s Office. In case of computational error the instructor must secure the written authorization of the Vice President for Academic Affairs. All grades are final after the date set for the removal of Incomplete.



## **Repetition of Courses**

Students may repeat any course in which they earned a D or F. Only the highest grade earned will be used in calculating the GPA. However, all courses will remain part of the student's official academic record. Students are responsible for informing the Registrar that a course is repeated.

## **Pass/Not Pass Option**

A student may count a maximum of 24 hours of credit towards graduation under the pass/not pass option. The pass/not pass option is limited to open electives. Core courses and those required in the major or minor may not be taken for pass/not pass. The exception is student teaching. To receive a *pass* a student must achieve a C or better; below a C, student will receive a *not pass*, which will be recorded as no credit. The student must decide within the time limit stated in the calendar whether a course is to be taken for a grade or under the pass/not pass option.

## **Grade Reports**

Students are issued grade reports at midterm and at the end of the semester. Mid term grades do not become part of a student's permanent academic record. Both mid-term and final grades are sent to parents and students.

## **ACADEMIC HONESTY**

Saint Joseph's College exists for the pursuit of truth and knowledge. In that pursuit, all members of the community - students, faculty, staff and administrators - remain committed to honesty in all personal and professional activity related to the mission of the institution. Personal and communal integrity are fundamental in Catholic education. To that end, students at the College are obligated to understand the central role of honesty in its relation to academic coursework, interaction with their fellow students, relationships with faculty and association with the administrative staff of the College.

Students are expected to be truthful in all academic relationships on campus; in all courses, each student has the responsibility to submit work that is uniquely the student's own. Cheating, plagiarism, willful violation of personal or collegiate computer security, misrepresentation of rightful ownership of academic property, falsification of data, theft or mutilation of library or reserved materials, unauthorized or misrepresented copying of print/media information or copyrighted computer programs of any kind are expressly forbidden at the College. The use of commercial term paper companies or pre-existing files of term papers to produce assigned class work is considered a violation of the Academic Honesty Policy. Outside of formal coursework, students are also expected to maintain honest and ethical behavior. The misuse of SJC identification cards or the mistreatment or alteration of academic records (including grade reports and transcripts) are violations of the Academic Honesty Policy.

It is the special responsibility of the Vice President for Academic Affairs to insure compliance to and promulgation of the Academic Honesty Policy. In addition to the publication of this policy in the College Catalog, all faculty are required to review the policy at the beginning of each semester with all classes of the College. It is the individual faculty member's responsibility to assure that all students are aware of the written version of the Academic Honesty Policy and to support its enforcement. It is the individual student's responsibility to know and follow this policy. Ignorance of the Policy by any member of the community is not an excuse for non-compliance.

Faculty have the discretion to adjudicate all violations of the Academic Honesty Policy in their classrooms; faculty, however, must report serious or repeated violations



## **46      Earning Academic Credit**

of the Policy to the Vice President for Academic Affairs. Students, faculty or administrators may also report a violation of the Academic Honesty Policy in writing to the Vice President for Academic Affairs. Disposition of violations will be made by the Academic Vice President in one of the following manners:

a) Investigation and assignment of the case to an individual faculty member or an administrator for adjudication;

b) Investigation and immediate adjudication;

Persons accused of a violation of the Academic Honesty Policy have a right to a hearing, with all involved parties, with the Vice President for Academic Affairs. In all cases wherein a serious or repeated violation of the Academic Honesty Policy of the College has been found, the names of the principals, the pertinent dates and the nature of the offense will be kept in a confidential file by the Vice President for Academic Affairs. In cases of second offenses, these files will have direct bearing on the severity of the sanction. Any appeal of the Vice President's decision will go directly to the President's Council, and subsequently, to the President.

Adjudication of all reported violations of the Academic Honesty Policy may result in one or more of the following actions:

a) failure on a specified assignment, paper, quiz, test or class project;

b) failure for the course in which the violation occurred;

c) issuance of appropriate academic probation;

d) issuance of appropriate College sanction (community service, restitution of property, etc.);

e) dismissal from the College.

### **Academic Classification**

A student is classified as a freshman by meeting the entrance requirements: as second semester freshman when 15 semester hours have been earned; as a sophomore after 30 semester hours have been earned; as a junior when 60 hours have been earned; and a senior when 90 semester hours have been earned.

### **Dean's List**

The Dean's List is published at the end of each full-length semester. Full time students who are in the top 10% of the student body in terms of current GPA semester grades are placed on the Dean's List, provided the student earns twelve hours excluding pass/not pass.

### **Graduation With Honors**

Graduation with honors is conferred on the basis of a student's cumulative GPA:

3.4 Cum Laude

3.6 Magna Cum Laude

3.8 Summa Cum Laude

## **PROBATION AND DISMISSAL**

Students not making satisfactory academic progress are subject to academic probation or dismissal. Freshmen and sophomores whose cumulative GPA falls below 1.8 will be placed on academic probation. Juniors below 1.9 and seniors below 2.0 will be placed on academic probation.

Any student whose semester GPA is below 1.0 or whose cumulative GPA drops by 1.5 from the previous semester's GPA will be placed on academic probation and



subject to dismissal. Students on academic probation must successfully complete the conditions specified in an academic advising contract. (These conditions may include items such as: weekly meetings, study hall attendance, restricted extracurricular activities, etc.).

Any student on academic probation who fails to remove the probation the following semester is subject to dismissal. Students who are dismissed have the right to appeal that decision. The appeal must be in writing to the Academic Vice President and must specify the reasons for the appeal.

Students who are dismissed may apply for readmission after one semester. The application must be in writing to the Academic Vice President and must specify the reasons.

Students dismissed a second time will not be readmitted.

## TEACHER EDUCATION

All the programs for elementary, middle, junior high and secondary teachers have been approved by the State of Indiana in accordance with the provisions of Rules 46-47, Indiana Professional Standards Board, as amended. In addition, they are approved by the National Council for the Accreditation of Teachers Education (NCATE).

Students who are not residents/citizens of the State of Indiana should consult with the State Departments of Education of their respective states, in which they legally and currently reside and/or where they intend to teach, for that State's teacher licensing requirements. Students are ultimately responsible for the fulfillment of all that is required for certification and licensing in the State where they are legal residents and/or where they intend to teach.

Since Teacher Education programs are governed by both state and college requirements, students are advised each semester prior to registration by a member of the education department. Students preparing to teach in secondary schools major in the subject area they intend to teach and the requirement for these majors are listed under the subject area.

A 10-week full-time student teaching experience is required for Indiana certification. This normally occurs during the second semester of the senior year so students may have to complete Core 9 during Spring Session or return for another semester. Students need approval of the Director of Student Teachers in order to register for student teaching and assignments in cooperating public and independent schools are made in conjunction with the Teacher Education Committee.

To qualify for student teaching, a student must:

1. Have a 2.50 cumulative index.
2. Have been in the teacher education program for at least one semester, doing C+/B- work or better. Approval by the Teacher Education Committee in the junior year is the official entry into the Teacher Education Program.
3. Have passed at least six hours of professional education credit.
4. Have a healthy interest in teaching and in the personal and social qualities basic to sound teaching.

## Athletic Eligibility

A student is eligible to participate in intercollegiate athletic contests under the following conditions:

1. Be of approved physical condition as certified by the College physician.



## 48 Student Awards

2. Meet the requirements for classification as a regular full-time student in good academic standing at SJC. For purposes of determining athletic eligibility, a student athlete will be deemed to be in good academic standing unless the student fails to remove academic probation as described in the section entitled "Probation and Dismissal."
3. Be eligible to play in the designated game according to the rules, policies, and approved practices of the *National Collegiate Athletic Association* with respect to amateur standing, length of previous participation, institutional transfer and similar matters. SJC, as an institution of higher education, fully subscribes and adheres to the By-Laws, regulations and rules of the NCAA, Great Lakes Valley Conference, and Midwest Intercollegiate Football regarding "academic eligibility" and "satisfactory progress." Furthermore, SJC supports the philosophy and practice of applying said standards for both regular season competition as well as tournament competition.

It is the responsibility of the players as well as the coaching staff to know and comply with the letter and the spirit of the athletic policies adopted and approved by the faculty.

### Family Education Rights and Privacy Act of 1974

Annually, SJC informs students of the Family Education Rights and Privacy Act of 1974. This Act, with which the institution intends to comply fully, was designated to protect the privacy of education records, to establish the right of students to inspect and review their education records, and to provide guidelines for the correction of inaccurate or misleading data through informal and formal hearings. Students also have the right to file complaints with The Family Educational Rights and Privacy Act Office (FERPA) concerning alleged failure by the institution to comply with the Act.

Local policy explains in detail the procedures to be used by the institution for compliance with the provision of the Act. Copies of the policy can be found in the following offices: Vice President for Academic Affairs, Registrar, Vice President for Student Affairs, Financial Aid and Counseling Offices.

### Transcripts

Students requesting academic transcripts must include name, birthdate, social security number, an address (current, where transcript is to be sent, an address at time of first enrollment). A \$3 fee is charged per transcript copy. No transcripts will be sent if the student has any financial obligations to the college.

## STUDENT ACADEMIC AWARDS

The recognition of merit in the individual is natural and proper as an incentive to personal and social progress. The awards and prizes listed below represent SJC's attestation of the recipient's excellence as demonstrated in a variety of fields. In all cases the College reserves the right to withhold an award if none of the entries attains a standard of excellence sufficient to merit the distinction implied by the conferring of the award.

### Accounting Faculty Scholarship Award

A scholarship, amount to be determined annually, is presented by the Accounting Faculty to a junior accounting major (to be used in the senior year) selected by the



Accounting Faculty. The criteria for selection include: 1) major field of study must be accounting; 2) evidence of outstanding ability and potential; and 3) personal financial need should not be a factor.

### **The Douglas E. Bauer Memorial Award**

This award was established by the Biology Department and the Biology Club in memory of Douglas E. Bauer (class of 1975) who was killed in an accident while pursuing his graduate degree in biology. The award will be made to a senior in biology or biology-chemistry who meets the following criteria: 1) grade point of at least 3.00; 2) positive attitude toward biology as demonstrated by cooperation with faculty and student peers; 3) determination and ambition as shown in laboratory procedures; 4) pursuit of further education in biology by admission to graduate study.

### **The Donald Brinley Prize In Philosophy**

In recognition of his long-time contribution to SJC and his love and enthusiasm for students and philosophy, the philosophy and religion faculty have established the Don Brinley Prize in Philosophy. For the student submitting the best philosophical writing, as deemed by the philosophy and religion faculty. The writing is judged in light of the qualities Professor Brinley admired and exemplified: courage, insight, honesty, rigor, and depth in religious and philosophical thought.

### **David E. Osterfeld Political Science Award**

An annual award presented by the Department of Political Science to a senior major who has excelled in the field of political science. The award is named in memory of Professor David Osterfeld, alumnus and faculty member.

### **Computer Science Award**

This award is given to the outstanding junior and the outstanding senior in the Computer Science Department. The recipients must be majors or group majors in computer science/information systems who have demonstrated the highest achievement in academic excellence. Award winners are selected by the Computer Science faculty members.

### **The C.H. Craig Creative Educator Award**

The C.H. Craig Creative Educator Award is given annually to an Elementary Education Major who has demonstrated both an outstanding rapport with children and a high degree of creativity in working with them.

### **William L. Downard Prize In History**

An award of merit presented annually by the Department of History to a student who has excelled in the field of history and its related areas.

### **Mother Drexel Sociology Award**

This annual award is presented to a junior or senior Sociology major who has excelled in the field of sociology. This award is based on excellence in scholarship and responsibility in service.

### **Future Executive Scholarship**

This scholarship is presented annually by the Business Club to a selected freshman student, majoring within the Commerce Division. The scholarship is based on academic



## **50 Student Awards**

achievement, financial need, and extracurricular activities. The student will be chosen by the Business Club officers, Chairman of the Department, and the Division Coordinator.

### **Indiana CPA Society Award**

A plaque is presented annually by the ICPAS to the outstanding senior accounting major. The selection of the recipient is made by the accounting faculty on the basis of criteria which include: (1) achievement of at least a 3.00 index in accounting and also on a cumulative basis; (2) willingness to accept responsibility; (3) extracurricular activities, particularly of a leadership nature; and (4) good moral character.

### **Gregory E. Kulavik Award**

Awarded annually to the outstanding new member of Saint Joseph's College Band, determined by a vote of the members.

### **Adam P. Lesinsky Award**

Awarded annually to the outstanding member of the Saint Joseph's College Band.

### **The Father Sylvester Ley Editorial Award**

Named for the co-director of STUFF, the award will be presented annually to a page editor deemed to have exemplified the best in editorial professionalism. Voted upon by the entire STUFF staff.

### **Maritain Academic Excellence Award**

This is a departmental award given annually to the junior or senior admitted to the Teacher Education Program having the highest cumulative grade point average (minimum of 3.00).

### **Meiring Alumni Teaching Excellence Award**

This award is given to an active teaching graduate having five or more years of teaching experience, whose contributions to classroom teaching and professional activities have a mark of excellence. The teacher will be selected by vote of the faculty in the department.

### **The Dr. James Mignery, C.P.P.S. Award**

This award is presented to the outstanding graduating senior majoring in the Communication and Theatre Arts Department. Named for former faculty member Brother James Mignerey, the recipient must exhibit those qualities most valued by Brother Jim: Scholarship (minimum of a 3.5 GPA in the major), outstanding contributions to the department's co-curricular activities, and service to the College. The faculty of the Communication and Theater Arts Department will choose the recipient and the student's name will be engraved on the permanent plaque.

### **Outstanding Student In International Studies**

This award is made to a student majoring in International Studies, normally a senior, who holds a minimum 3.00 GPA and has demonstrated in class and in extra-curricular activities a high level of global awareness.

### **Edward Panozzo Psychology Award**

This award is given annually to an upperclassman psychology major or minor who



reflects the dedicated and intense social service commitment of the late Edward Panozzo. High GPA is not a criterion for this award.

### **The Political Science Achievement Award**

An annual award presented by the Department of Political Science to a senior major who has excelled in the field of political science.

### **Psychology Academic Excellence Award**

This award is presented annually for academic achievement by the Psychology/Psi Chi Club in conjunction with the Psychology Department advisor. The recipient is the junior psychology major who has the highest grade point average in psychology courses. The completion of at least 12 credit hours of psychology and a minimum GPA of 3.00 are also required.

### **Saint Joseph's College Alumni Board Senior-Of-The-Year Award**

This award is presented by the Director of the Alumni Association to the senior who has made outstanding contributions to both class and College.

### **Father Urban J. Siegrist Award**

This award is presented annually to a junior for outstanding achievement in the biological sciences. The award is sponsored by the Biology Club and was established in 1976 in honor of Father Urban J. Siegrist, C.P.P.S. for his many years of service to the College. The selection of the recipient is made by the biology faculty and Biology Club officers on the basis of the following criteria: (1) achievement of at least 3.5 index in biology and of at least 3.2 cumulative index; (2) extracurricular activities, particularly in the Biology Club.

### **Signature Direct Marketing Award**

This award is presented annually to a student (senior or junior) who best demonstrates a career interest in direct marketing. The faculty of the department of Management/Marketing will consider both academic and extracurricular achievements.

### **Father Paul Speckbaugh Reporter Of The Year Award**

Named for the first co-director of "STUFF", the award will be presented annually to a staff reporter deemed to have exemplified the best in professional journalism. Voted upon by the entire "STUFF" staff.

### **Student Teacher Excellence Award**

This award is given annually to four student teachers. Two elementary and two secondary level teachers will be eligible to receive the award. Student teachers are to meet the following criteria:

- a) 3.40 or better cumulative index
- b) 3.40 or better index in the major
- c) involved in extra-curricular activities or service at the College or elsewhere with proper documentation
- d) actively participates in the Education Club for at least two years
- e) continues to exhibit a healthy interest in teaching and in personal and social qualities basic to sound teaching.



## **52 Student Awards**

### **Trustees' Award**

These awards are given to the top graduating student in each of the five academic Divisions of the College. Recipients are selected by the faculty of each Division on the basis of superior scholarship and leadership in extracurricular activities.

### **Wall Street Journal Award**

A year's subscription to the *Wall Street Journal* and a plaque are presented by the Department of Business Administration to a senior business major.

### **Louis B. White Award**

This special citation of merit is presented annually by the Glee Club to the most outstanding member of the mixed chorus. The award was initiated in memory of Louis B. White '52, former president of the Glee Club, who gave his life for his country in 1953.

### **J. Kevin Woods Memorial Award**

This special citation of merit is presented annually by the Accounting Club to an outstanding senior. The award, in memory of J. Kevin Woods, accounting alumnus of 1966 who was killed in action in Viet Nam in 1968, was established by his family and friends. The following criteria should apply in the annual selection of the student who receives the award: (1) must be an accounting major; (2) must have maintained C grades or better; and (3) the senior accounting majors, (not the faculty) select the student most deserving of the award.

## **HONORS SOCIETIES**

### **Alpha Lambda Delta Freshman Honor Society**

This national honor society recognizes outstanding scholastic achievement in the freshman year. To be nominated for membership, students must have at least a 3.50 cumulative GPA for the two semesters of their freshman year.

### **Delta Epsilon Sigma National Scholastic Honor Society**

Students qualify for membership in this national society when they have completed half of the hours required for their degree with a cumulative GPA of 3.40 or better.

### **Phi Alpha Theta International Honor Society In History**

To be considered for membership, a student must have completed at least twelve semester hours in history, have maintained at least a 3.10 GPA in those courses and a 3.00 GPA overall, and rank in the upper 35% of one's class.



# Course Descriptions





### CORE

#### Objectives of the Core Program

Most colleges have "general education program," namely those courses that are required of all students for graduation, no matter what their individual majors are. At Saint Joseph's College, all of these general education requirements are condensed into a single "Core Curriculum" that extends throughout the eight semesters of the normal undergraduate experience and totals 45 semester credits. These courses are, moreover, very evenly scheduled from the freshman to the senior years, occupying six credit hours in the first seven semesters and three credits in the second semester of the senior year.

The Saint Joseph's College Core Curriculum is very different from general education at most other colleges. Here, general education involves almost all of the departments or disciplines within the College, and it is a team-taught program all the way through. Moreover, the Core program -- unlike the more widespread "distributional" approach to general education, with students choosing two of these and one of those -- is a single program of integrated liberal arts education that begins at a well-defined point in the freshman year and works through clear stages of progress toward an equally well-defined goal in the senior year. The Core Curriculum, therefore, constitutes a well coordinated program of general education that complements the work in the major all through the four years of college education.

The College began this special program in 1969 and has invested large amounts of faculty time and energy in it. It has proved itself to be an effective means of attaining these important objectives:

1. All Core Curriculum faculty, in all eight semesters, work to develop the cognitive and communication skills of students: critical thinking, listening-speaking, and reading-writing skills.
2. The Core Curriculum is a common academic experience for all students and for most of the faculty, thus constituting a lively basis for true academic community on this campus.
3. The Core Curriculum enables all students to acquire an understanding of how all the contemporary modes of inquiry work, no matter what the major.
4. The Core Curriculum pays special attention to how knowledge from each of the various disciplines connects with knowledge from other fields, and thus students are encouraged to develop an integrative habit of mind.
5. In the Core Curriculum, values (personal, national, global) are a constant focus of study, so that students may work to develop their own set of values with sensitivity and consistency.
6. All through the eight semesters of the Core Curriculum, there is witness to the specific values of our Judeo-Christian and Humanist traditions in keeping with the College motto of "Religio, Moralitas, Scientia."

The Core Curriculum constitutes "the first major" of each and every student at the College. That means that every graduate from Saint Joseph's has the benefits -- for both personal development and for career advancement -- of a solid background in integrated liberal arts. Every student is exposed to a well planned and rigorous liberal arts "Core" and also has the opportunity to work at specific career or graduate school preparation through the major.



**Freshman Seminar****1 hour**

A course for first-year students focusing on academic planning, college adjustment, and success skills, educational philosophy and the history and purposes of Saint Joseph's College. Required of all freshman in Fall semester.

**Core 1. The Contemporary Situation****6 hours**

A study of the human situation in the twentieth century with its crises and achievements. The course aims at student involvement in the world through reflection and communication. Required of all freshmen.

**Core 2. The Modern World****6 hours**

A study of the larger movements of civilization from the seventeenth to the twentieth century with emphasis on contemporary relevance. Required of all freshmen.

**Core 3. The Roots of Western Civilization****6 hours**

A study of the Hebrew, Greek and Roman civilizations in their roles as roots of Western Civilization. Core 3 stresses the intellectual, artistic, religious and social contributions of these civilizations to our modern Western Civilization. Required of all sophomores.

**Core 4. The Christian Impact on Western Civilization****6 hours**

A study of the growth of Western Civilization from the beginning of the Christian era to the emergence of the "Modern World." The intellectual, artistic, religious and social growth of these years is emphasized. Required of all sophomores.

**Cores 5-6. Humanity in the Universe****6 hours**

This course, extended through two semesters, studies the emergence of the human species in the course of cosmic, biological and cultural evolution and assesses the theoretical and practical impact of the natural sciences on the human situation. Required of all juniors except those in an approved three-year science program.

**Cores 7-8. Intercultural Studies****6 hours**

An examination of civilizations other than our own. By studying other cultures the student gains a new perspective and insight into the institutions and thought of the Western world. Extended through two semesters and required of all juniors.

**Core 9. Towards a Christian Humanism****6 hours**

This course attempts to point up the possibility of a Christian view of the human person by an examination of the general problems of humanism, religion, Christianity, and Catholicism. It applies psychological, sociological, philosophical, and theological considerations to the material provided by the previous Core experience. Required of all seniors, and of juniors in an approved three-year science sequence.

**Core 10. Christianity and the Human Situation****3 hours**

A seminar course on selected ethical problems of our day in the light of Christian faith and of all the Core experience, especially Core 9. Core 10 is, therefore, a study of the practice of Christian Humanism. While section leaders may offer a variety of introductory approaches, preference will be given to seminar topics originated by students. Such topics might be related to person-oriented concerns, to urgent contemporary issues, or to a student's chosen career.



**ACCOUNTING**

The Accounting major provides the fundamental courses which are to prepare the student for entrance into the profession of accountancy, including public and private accounting practice or government service. Upon completion of this program of study, the student may secure through experience and state examination the status of certified public accountant.

In the field of public accounting there are opportunities in municipal and private auditing, system design and installation, cost and tax work. Federal and state governments provide opportunities for accountants in a wide variety of activities, including income tax and other taxation, farm administration, banking, interstate commerce, and the like. In private accounting practice, thoroughly trained accountants have opportunities for advancement into executive, financial and auditing or cost accounting positions.

There are two concentrations in the major: General Accountancy and Certified Public Accountancy.

**MINOR IN ACCOUNTING (18 credits)**

**REQUIRED:** 5 courses (15 credits)

11-12 Principles of Accounting  
31-32 Intermediate Accounting  
33 Cost Accounting

**ELECTIVE:** Any 3 credits in Accounting

**MAJOR IN ACCOUNTING (61 credits for CPA; 46 credits for General Accounting)**

**REQUIRED:** Common Body of Knowledge, 8 courses (25 credits)

ACT 11 Prin of Acct I	ECN 23 Prin of Econ: Microeconomics
ACT 12 Prin of Acct II	ECN 24 Prin of Econ: Macroeconomics
MGT 11 Prin of Management	ECN 28 Business & Econ Statistics
MKT 12 Prin of Marketing	FIN 23 Prin of Finance

**REQUIRED:** For General Accounting Concentration (21 credits)

31 Intermediate Acct I	36 Advanced Acct II
32 Intermediate Acct II	45 Income Tax Acct
33 Cost Acct	47 Auditing
35 Advanced Acct I	

**REQUIRED:** For Certified Public Accountancy Concentration (36 credits)

- 21 credits listed above for General Accounting plus:

23 Business Law I  
24 Business Law II  
34 Advanced Cost Accounting  
46 Income Tax Accounting  
54 C.P.A. Review



**GROUP MAJOR IN ACCOUNTING - FINANCE (64 Credits)****REQUIRED:**

- Common Body of Knowledge: 8 courses (25 credits)
- General Accountancy Concentration: 7 courses (21 credits)
- Four courses in Finance (12 credits)
  - FIN 33 Corporation Finance I
  - FIN 34 Corporatin Finance II
  - FIN 36 Investment Analysis
  - FIN 48 Problems of Finance Management

Choose 6 credits from:

- FIN 43 The American Financial System
- FIN 44 International Finance
- FIN 50 Seminar in Finance

**GROUP MAJOR IN ACCOUNTING-INFORMATION SYSTEMS (70 credits)**

**REQUIRED:** Common Body of Knowledge, 8 courses (25 credits).

**REQUIRED:** 14 courses (42 credits)

- |                             |                                 |
|-----------------------------|---------------------------------|
| ACT 31 Intermediate Acct I  | CMP 11 Computer Science I       |
| ACT 32 Intermediate Acct II | CMP 12 Computer Science II      |
| ACT 33 Cost Acct            | CMP 22 Data Structures          |
| ACT 35 Advanced Acct I      | CMP 31 Applications Programming |
| ACT 36 Advanced Acct II     | CMP 40 Information Systems      |
| ACT 45 Income Tax Acct      | CMP 41 Data Base Concepts       |
| ACT 47 Auditing             | CMP 44 Software Engineering     |

Choose 3 credits from Computer Science required for a major.

**TEACHER EDUCATION REQUIREMENTS:**

ACT 11-12, 23, or 24; MGT 10, 11, 22; MKT 12, 20; FIN 23; ECN 23-24, 28; CMP 07, 11-12. Elect 3 hours ACT 30 or above. College major in Management, Marketing, Accountancy, Finance, or Economics.

**COURSE DESCRIPTIONS****11-12. Principles of Accounting****6 hours**

A fundamental course in accounting. The course is presented so that the student is properly prepared in the theory and techniques of accounting that are necessary for advanced accounting courses. Emphasis is placed on the solution of accounting problems.

**23-24. Business Law (Pol. Sci. 26-27)****6 hours**

This course is designed to acquaint the student with those phases of law most frequently met in business. The selected areas of study include contracts, negotiable



instrument, agency sales, partnerships, corporations, property and torts.

**Prerequisite for Accounting 24: Accounting 23.**

**31-32. Intermediate Accounting**

**6 hours**

An investigation into the form and theory of financial statements with emphasis on the theory and practice of accounting for assets, liabilities and corporate capital accounts. Theory and techniques of recognizing revenues and expenses, including the time value of money are studied as the various assets and liabilities are covered. Familiarity with current events in the financial world is required for intelligent class discussion

**33. Cost Accounting**

**3 hours**

A study of the basic terminology, concepts, and techniques of cost determination. Job order, process, and standard cost systems are explored through the medium of problems.

**34. Advanced Cost Accounting**

**3 hours**

This course is designed to familiarize the student with analytical interpretation of cost data. The areas of budgetary controls, direct costing, cost-volume relationships, and variance analysis are given special consideration.

**Prerequisite: Accounting 33.**

**35-36. Advanced Accounting**

**6 hours**

Advanced partnership accounting problems and special transactions resulting from foreign currency translations are considered. Special emphasis is placed on the preparation of consolidated statements of financial condition and income. Consideration is also given to statements required of fiduciaries and to governmental accounting problems, as well as the statement of cash flow.

**37. Auditing Practicum**

**1 hour**

The course involves an auditing practice set or other project that should give the student basic outlook, professional attitude, and skills required by an auditor.

**43. Pro-Seminar in Accounting Theory**

**3 hours**

An introduction, by means of directed reading and individual projects, to the methods of accounting research and the theory of accounts.

**45-46. Income Tax Accounting**

**6 hours**

This course is designed to familiarize the student with the federal income tax laws by means of lectures and practical problems. It is devoted to an intensive study of the income tax laws as they apply to individuals, partnerships, and corporations.

**47. Auditing**

**3 hours**

This course recognizes that dependable financial information is essential to the very existence of our society. The need for independent auditors to attest to the basic financial statements follows from this recognition. Professional competence and integrity as an auditor is developed in the student through exposure to the theory and techniques applied in an audit.



**54. C.P.A. Review****3 hours**

This course provides an intensive and comprehensive review of accounting. It is designed to help prepare students to take and successfully pass the uniform Certified Public Accountants' examination. Areas covered include: intermediate, advanced, theory, cost, auditing, income tax, quantitative methods, and business law. A Mock, mini-C.P.A. examination is given at the end of the course.

**55. Independent Study****1-3 hours****90. Internship****3 hours**

This course is designed to allow qualifying students to actually work off-campus for a professional accounting firm. These senior students apply the technical skills acquired in prior accounting courses to the actual accounting situations of the firm's clients. The student is also expected to act professionally in social situations with firm and client personnel. The Core program, with its emphasis on current events, ethics, and values, should allow the student to assume this responsibility with ease. Achievement will be based upon the periodic and final written reports of the intern and an evaluation of performance by the firm.





## ART

The Art Department offers both studio and art history courses for anyone interested in the visual arts. There is an organized program of instruction for students wishing to minor in art, a program that meets requirements for elementary education majors, as well as an assortment of courses designed principally for personal enrichment. Some courses require a lab fee. Additionally, students are usually responsible for purchasing expendable supplies. Material costs for the studio courses vary and instructors will provide specifics at the beginning of each course.

## MINOR IN ART (18 credits)

REQUIRED: 2 courses (6 credits)

11 Basic Design & Color Theory  
31 Drawing I

Choose 3 credits from:

32 Drawing Composition  
12 Design II

Choose 6 credits from:

25 Fiber: Surface Design  
26 Fiber: Construction  
33 Painting  
21 Ceramics  
34 Printmaking

Choose 3 credits from:

51 Art Hist: Renaissance  
52 Art His: Impressionism  
53 Art Hist: 20th Century Art

## COURSE DESCRIPTIONS

**11. Basic Design and Color Theory****3 hours**

Introductory study of theory, content, process and application of two-dimensional design with the inclusion of color theory and application.

**12. Design II****3 hours**

Continued study of visual theory and structure through the design process, including three-dimensional design problems.

**21. Ceramics****3 hours**

The study of hand-building techniques with an emphasis on the vessel form. Techniques of surface decorating, glazing, and firing of low-fire clay bodies will be taught. Lab fee.

**25. Fiber: Surface Design****3 hours**

Students are introduced to a variety of surface design processes including: batik, tie-dye, bleach-out, fabric painting and printing, and silkscreen. Lab fee required.

**Recommended prerequisite: Art 11.**

**26. Fiber: Construction****3 hours**

The study of fiber manipulation using various loom and non-loom techniques. Recommended: Art 11, Lab fee.



- 31. Drawing I** 3 hours  
A basic course in the fundamentals of drawing with an emphasis upon visual structure using various media.
- 32. Drawing Composition** 3 hours  
A study of more advanced techniques and problems in a variety of drawing media with an emphasis on the development of finished compositions.
- 33. Painting** 3 hours  
Basic instruction in the use of oil painting and other media with emphasis upon the visual problems of painting.  
**Prerequisite:** Art 31, **recommended prerequisite:** Art 11.
- 34. Printmaking** 3 hours  
Students are provided experience in four printmaking techniques: silkscreen, linoleum relief, collograph and monoprint. Lab fee required.  
**Recommended prerequisite:** Art 11.
- 47. Art Foundations I** 2 hours  
A discipline-based introduction to the nature and history of art including lectures, discussion, and studio production. This basic course is required for elementary education majors.
- 48. Art Foundation for Elementary Teachers II** 2 hours  
A basic introduction to elementary art education principles and practices with continued exploration of two and three dimensional art media and elementary applications. Course includes a six week team-teaching practicum experience. Lab fee required.  
**Prerequisite:** Art 47.
- 51. Art History: Renaissance to Impressionism** 3 hours  
A survey of the development of Western art from the Renaissance to Impressionism through lectures, slides and research.
- 52. Art History: Impressionism Through 20th Century** 3 hours  
A survey of the development of 20th century art history and criticism through lectures, slides and research.
- 59. Advanced Studio** 1-3 hours  
Expanded and advanced study in the area of the advanced student's choice. Student will work toward an exhibition and final portfolio. **Recommended:** Art 11.



**BIOLOGY**

The departmental courses in biology are intended to help the student acquire: 1. A knowledge of the basic principles of the biological sciences and some skill in the application of the scientific method to biological problems; 2. The necessary background for work in graduate or professional schools of medicine, dentistry, or biological science; 3. The biological background for certain professional careers such as teaching biology in secondary schools or working in industrial or sales positions requiring a knowledge of biology or chemistry.

Interested and qualified majors in biology are encouraged to supplement their training in zoology or botany by field ecological work, marine or fresh water, in the taxonomic, embryological, and physiological areas, in any approved biological station. Fresh water and terrestrial field stations are operated by many midwestern colleges and universities. With prior consent of the department, credits received will be accepted here.

Students who plan to do graduate work in biology should do an independent study project (Bio 55) in order to gain insight and experience in biological research.

**ASSOCIATE OF SCIENCE DEGREE IN BIOLOGY-CHEMISTRY (60 credits)**

**REQUIRED:** 53 credit hours

Core 1, 2, 3, 4

BIO 11 Intro Bio I

BIO 12 Intro Bio II

CHM 11 Gen Chem I

CHM 12 Gen Chem II

CHM 31 Organic Chem I

Intro courses in Math, Statistics, and Computer Science (9 credits).

**ELECTIVES:** Any 7 credits from the natural sciences or commerce.

**MINOR IN BIOLOGY (18 credits)**

**ELECTIVES:** Any 18 credits in Biology.

**MINOR IN HEALTH THERAPY (18 credits)**

**REQUIRED:** Select 18 credits from the following: (no more than 6 credits from any area.)

Mathematics

Sociology

Statistics

Psychology (except Statistics)

Physical Education

Arts & Crafts



NOTE: Only students majoring in Biology with a concentration in "Pretherapy" can minor in Health Therapy.

### **MAJOR IN BIOLOGY (60 credits)**

REQUIRED: 36 credits in Biology that must include:

BIO 11 Intro Bio I	20 Sophomore Seminar
BIO 12 Intro Bio II	30 Junior Seminar
BIO 25 Comparative Vertebrate Anatomy	40 Senior Seminar
BIO 37 Genetics	

REQUIRED: 16 credits in Chemistry that must include:

- 11 General Chemistry I
- 12 General Chemistry II
- 31 Organic Chemistry I
- 32 Organic Chemistry II

REQUIRED: 8 credits in Physics that must include:

- 21 Mech & Heat
- 22 Optics, Electricity & Atomic Structures

### **GROUP MAJOR IN BIOLOGY-CHEMISTRY (62 credits)**

REQUIRED: 54 credits in Biology and Chemistry which must include all those listed for a Biology major plus Chem 33 and Chem 42.

REQUIRED: Two courses (8 credits) in Physics

- 21 Mechanics and Heat
- 22 Optics, Electricity and Atomic Structure

Students majoring in Biology or Biology-Chemistry may elect to concentrate in the following areas:

**Environmental Biology:** this emphasizes: ecology, conservation, populations evolution and statistics.

**Zoology:** this emphasizes: vertebrates, invertebrates, embryology, animal behavior, physiology and biochemistry.

**Marine and Aquatic Biology:** Interested students take a concentration in Zoology or Environmental Biology. We supplement their work with annual local field studies and a semester at an accredited Marine or Aquatic Institute.

**Pre-Medical Program:** The pre-medical program is designed to enable students to meet the entrance requirements of medical schools approved by the American Medical Association, the American Osteopathic Association, and the American Podiatric Association. In addition, our program helps students prepare for the Medical College Admissions Test (MCAT).



## 64 Biology

**Pre-Dental Program:** The pre-dental program is designed to enable students to meet the entrance requirements of American dental schools. In addition, our program helps students prepare for the Dental Admissions Test (DAT).

**Pre-Veterinary Program:** The pre-veterinary program is designed to enable students to meet the entrance requirements of American veterinary schools. These can often be met by taking TWO years of courses at St. Joseph's College. Some veterinary schools prefer students to have four years of a MAJOR in biology with a concentration in zoology.

**Pre-Therapy (Pre-Physical and Pre-Occupational Therapy):** Those students interested in Physical Therapy or Occupational Therapy will major in Biology and take "Pre-Therapy" courses and the Health Therapy minor. This usually enables students to meet the requirements for entrance into Physical or Occupational Therapy schools at the Master's degree level. Students taking the "Pre-Therapy" concentration and the Health Therapy minor may take Anatomy and Physiology (BIO 21, 22). For Biology credit if they take Human Medical Physiology (BIO 27). They may also take Biochemical Physiology (BIO 42 or CHM 42) in place of the for the required CHM 32.

### GROUP MAJOR IN MEDICAL TECHNOLOGY (57 credits)

**REQUIRED:** 54 hours of Biology and Chemistry plus one course in statistics (hospital program credits count for graduation requirements), which must include:

BIO 11 Intro Bio I	CHM 11 Gen Chem I
BIO 12 Intro Bio II	CHM 12 Gen Chem II
BIO 43 Microbiology-Bacteriology	CHM 31 Organic Chem I
BIO 44 Microbiology-Immunology	CHM 32 Organic Chem II or CHM 42 BioChem Physiology

**REQUIRED:**

All Core courses except 5 & 6 and 12 months in an affiliated hospital program.

**Medical Technology:** This program requires completion of three years at SJC and 12 months in an affiliated hospital program. This program meets the requirements of the American Medical Association and the American Society of Clinical Pathologists. SJC is affiliated with the following Indiana hospitals: St. Margaret, Hammond; St. Mary Mercy, Gary; St. Vincent, Indianapolis, and Ball Memorial, Muncie.

**NOTE:** Students majoring in Biology, Biology-Chemistry or Medical Technology can not normally take Bio 1, 3, 15, 16, 21, 22, 23 as part of the major. Bio 11-12 are prerequisites for all Biology courses. Completion of any major does not guarantee admission to a graduate or professional school.

### TEACHER EDUCATION REQUIREMENTS

Teaching Major in Biology: BIO 01, BIO 33, and MTH 25, 26 and the major in Biology

Teaching Minor in Biology: BIO 11-12, 25, 33, 37 and 9 credits of electives in Biology.



## COURSE DESCRIPTIONS

### **01. Human Biology: Personal and Social Responsibility**

**3 hours**

Wellness problem solving in the areas of human nutrition, use and abuse of drugs and alcohol, sexuality, stress, natural and acquired immunity, human ecology, human genetics; life style, laboratory, and field teaching safety procedures.

### **04. Biology for Elementary Teachers**

**3 hours**

A course designed to give teacher candidates the theoretical background and hands-on experience to work with materials appropriate to elementary school students. Offered every year.

### **11-12. Introduction to Biology**

**8 hours**

An introductory discussion of the concepts and methods of biology with stress on laboratory investigations to emphasize biology as a science of enquiry. The open-end type of laboratory allows students to develop areas of interest to their fullest capacity. This course is prerequisite to all other course offerings in biology. Offered every year.

### **14. Introduction to Scientific Latin and Greek**

**1 hour**

A study of the elements of the Greek and Latin languages, together with their roots and the corresponding English derivations commonly used in biological, chemical, and medical sciences. Offered in semesters 952 and 972.

### **15-16. Human Anatomy & Physiology for Nurses**

**6 hours**

This course is designed to study the structure and function of various cells, tissues, organs, and systems of the human body. An intensive course intended for nursing students only. Laboratory. Offered every year.

### **20. Sophomore Seminar**

**1 hour**

An introduction to library search techniques and information retrieval systems. Offered every year.

### **21-22. Human Anatomy and Physiology**

**6 hours**

An introductory course intended for physical education, primary education and psychology majors. The course is recommended for students preparing to teach health in high school. Laboratory.

### **23. Microbiology for Nurses**

**4 hours**

This course consists of morphology, physiology, ecology, epidemiology, and genetics of microorganisms. Nutritional and cultural requirements. Relationship of microorganisms to infectious disease and principles of immunology. Laboratory emphasis on culturing techniques, methods of transfer, isolation, identification and staining techniques. Laboratory. Offered every spring session. Open to nursing students only.

### **25. Comparative Vertebrate Anatomy**

**4 hours**

The study of type forms of different classes of vertebrates, from the viewpoint of the morphological and physiological relationships of the various organs and systems. Laboratory.



## **66 Biology**

### **26. Embryology 4 hours**

Laboratory study of the developmental anatomy of frog and chick embryos. Lecture emphasis is placed on analysis of the processes of development and a study of elementary experimental embryology. Laboratory.

### **27. Human Medical Physiology 3 hours**

An in-depth study of the physiology of the human body, especially as demonstrated in medical conditions and medical lab tests. Cannot be used to replace Biology 21 or 22. Laboratory.

### **30. Junior Seminar 1 hour**

Application of library research techniques to specific problems and the preparation of an annotated bibliography.

### **32. Invertebrate Zoology 3 hours**

A survey of invertebrate animals from the protozoa through the chordates. Emphasis is placed upon structural and functional adaptations of the major phyla and classes, along with their evolutionary relationships. Laboratory. Offered semesters 952 and 972.

### **33. Ecology and Conservation of Natural Resources 3 hours**

The study of organisms in relation to their environments with emphasis upon interrelationships among physical factors (light, temperature, and moisture), biogeochemical cycles, and biotic factors (trophic relationships, population dynamics, and interactions between species). Methods for conservation resources, especially biological resources, are included. Offered semesters 951 and 971.

### **34. Ichthyology and Herpetology 2 hours**

This field course will focus on the evolution, classification, ecology and natural history of fish, amphibians and reptiles (including dinosaurs). Emphasis is placed upon the identification of local species. Offered semesters 933 and 953.

### **35. Evolution 2 hours**

This course will focus on the history, mechanisms and evidence of evolutionary theory. Current debates concerning the role of chance and the rate of evolution will be discussed. Discussion will emphasize the original literature as well as current research. Offered semesters 941 and 961.

### **36. Ornithology and Mammology 2 hours**

This field course will focus on the evolution, classification, ecology and natural history of birds and mammals. Emphasis is placed upon the identification of local species. Offered semesters 943 and 963.

### **37. Genetics 4 hours**

A study of the general principles of heredity and the operation of hereditary factors in the origin and development of species and of individual traits. Laboratory.

### **39. Population Biology 2 hours**

This course will focus on population growth, the interactions of population genetics, community structure and wildlife management. A project on the methods for the



experimental design of ecology and environmental studies is included. Offered semesters 951 and 971.

**40. Senior Seminar****1 hour**

The organization and presentation of a research paper as part of a scientific area symposium.

**42. Biochemical Physiology (Chemistry 42)****4 hours**

A study of the chemistry and properties of carbohydrates, amino acids, proteins, lipids and nucleic acids as they relate to cellular metabolism and organelles. Examination of molecular structure and active sites of some model enzymes systems and a study of intermediary metabolism and its control mechanisms are included. Laboratory.

**43. Microbiology-Bacteriology****4 hours**

This course concentrates on bacteria, covering structure, genetics, growth, control, and bacterial relationships to advanced organisms, e.g. symbiosis, parasitism, and disease. There will be an overview of bacterial roles in food, water and sewage treatment. There will also be a basic review of bacterial metabolism. Laboratory.

**44. Microbiology-Immunology****4 hours**

This course concentrates on Immunology covering immune responses, immunochemistry, hypersensitivity, graft and cancer immunology, and modern use of immune agents. Structure, life cycles, classification and diseases of viruses and Eukaryotic microbes (fungi and protozoa) will be examined. Microbial roles in the environment will be examined. Laboratory.

**45. Histology****4 hours**

The study of the microscopic structure of animal tissues with emphasis on human tissue structure. Microscopic examination of tissue slides to determine the internal identifying characteristics of cell types and their mode of organization into functional tissues and organs. Laboratory. Offered semesters 941 and 961.

**46. Animal Behavior****4 hours**

Types of animal behavior are studied in regard to their development, adaptive aspects, and evolution. Lectures and projects. Offered semesters 942 and 962.

**55. Research in Biology****1-3 hours****64. Plant Taxonomy****3 hours**

A study of the families and species of trees and wild flowers of the midwestern United States. Emphasis is placed upon collection and identification of native flora. Offered spring session.



**CHEMISTRY**

The courses offered by the Department of Chemistry are designed for the student to attain: (1) knowledge and understanding of the basic concepts of chemistry, basic instrumentation, and analytic and synthetic methods used in chemistry; (2) knowledge and use of safety procedures and respect for hazardous chemicals and their interaction with the environment; (3) skills in problem-solving, accessing and organizing information, and communicating as a science professional; and (4) an appreciation of the importance of the field of chemistry in today's society.

Since these objectives are all included to some degree in every course, majors in other areas of science such as biology, geology, engineering, education, and nursing, as well as chemistry, will be adequately prepared in terms of the supportive knowledge and skills needed for their respective areas of study.

Students who complete the pre-engineering program in chemical engineering at SJC may qualify for the B.S. degree in chemistry from SJC upon completion of requirements at another college or university.

**MINOR IN CHEMISTRY (18 credits)**

**REQUIRED:** 2 courses (8 credits)

11 General Chem I

12 General Chem II

**ELECTIVES:** Any 10 credits in Chemistry (Chem 33 is recommended).

**MAJOR IN CHEMISTRY (52 credits)**

**REQUIRED:** 12 courses (46 credits)

CHM 11 General Chem I

CHM 12 General Chem II

CHM 31 Organic Chem I

CHM 32 Organic Chem II

CHM 33 Quantitative Analysis

PHY 21 Mechanics & Heat

PHY 22 Optics

CHM 45 Physical Chem I

CHM 46 Physical Chem II

CHM 47 Research in Chem

MTH 25 Calculus I

MTH 26 Calculus II

**ELECTIVES:** Any 6 credits in Chemistry.

**TEACHER EDUCATION REQUIREMENTS:**

Teaching major in Biology and Chemistry: BIO 01, 11-12, 25, 33, 37; CHM 11-12, 31-32; MTH 25-26; College major in any of the sciences.

Teaching minor in Chemistry. CHM 11-12, 31, 32, and eight hours upper level electives.



## COURSE DESCRIPTIONS

### 01. Chemistry for Elementary Teachers

**3 hours**

This course in theoretical as well as practical chemistry is designed for students intending to teach in elementary school. It does not satisfy the chemistry requirement for a major or minor in science. Two lectures and one 2-hour laboratory period per week.

### 11. General Chemistry I

**4 hours**

This course combines the basic concepts of chemistry with practical application of these concepts in the laboratory. It is intended to build upon a foundation of high school chemistry. Three lectures and one 3-hour laboratory period per week.

**Prerequisite:** High school chemistry or the equivalent.

### 12. General Chemistry II

**4 hours**

This course is a continuation of Chemistry 11 or an equivalent. Three lectures and one 3-hour laboratory period per week.

**Prerequisite:** Chemistry 11

### 13. Introductory Chemistry

**4 hours**

This course covers the principles and theories of chemistry for students who are not majoring in a natural science. It is preliminary to Chemistry 14 and may serve as a preparation for Chemistry 11. Three lectures and one 2-hour laboratory period per week.

### 14. Introductory Organic and Biochemistry

**4 hours**

This course is an introduction to the chemistry of organic compounds and biomolecules. It covers the basic organic molecules and biomolecules known as carbohydrates, proteins, and lipids. A brief introduction to nutrition involving these biomolecules is also presented. Three lectures and one 2-hour laboratory period per week.

**Prerequisite:** Chemistry 13

### 31. Organic Chemistry I

**4 hours**

A study of the structure, naming, properties, and reactions of aliphatic and aromatic hydrocarbons. The material presented in the lecture will be supplemented by application studies in the laboratory with representative compounds. Three lectures and one 3-hour laboratory period per week.

**Prerequisite:** Chemistry 12

### 32. Organic Chemistry II

**4 hours**

A study of the structure, naming, properties, and reactions of the functional groups of organic compounds. A study of these properties and reactions will be directed in the laboratory where spectroscopic methods will also be introduced. Three lectures and one 3-hour laboratory period per week.

**Prerequisite:** Chemistry 31

### 33. Quantitative Analysis

**4 hours**

A study of the theoretical principles upon which analytical methods are based. Included are a survey of the field of analytical chemistry and a detailed investigation



## **70 Chemistry**

of the standard methods. Volumetric and gravimetric experiments are carried out in the laboratory. Three lectures and one 3-hour laboratory period per week.

**Prerequisite: Chemistry 12**

### **34. Instrumental Methods of Analysis 4 hours**

A study of the principles of chemistry underlying the use of instruments in analysis and a survey of the field. The laboratory work consists of analyses carried out with representative instruments. Three lectures and one 3-hour laboratory period per week.

**Prerequisite: Chemistry 33**

### **42. Biochemical Physiology (Biology 42) 4 hours**

A study of the chemistry and properties of carbohydrates, amino acids, proteins, lipids, and nucleic acids as they relate to cellular metabolism and organelles. Examination of molecular structure and active sites of some model enzyme systems and the element of molecules are included. Three lectures and one 3-hour laboratory each week.

**Prerequisite: Physics 22 and Chemistry 32**

### **45. Physical Chemistry I 8 hours**

A fundamental course based on the principles of physical chemistry. The role of energy in chemical reactions is treated both from the descriptive and the analytical viewpoints. Three lectures and one 3-hour laboratory period each week.

**Prerequisites: Chemistry 33, Mathematics 26, and Physics 22.**

### **46. Physical Chemistry II 4 hours**

A continuation of Chemistry 45. This course emphasizes atomic and molecular structure and reaction dynamics. Three lectures and one 3-hour laboratory period per week.

**Prerequisite: Chemistry 45**

### **47-48. Research in Chemistry 2 hours**

This is an individual research project on some special problems in chemistry. The student makes a thorough search of the literature and carries out the experiments needed to reach a conclusion. Progress reports are made and discussed with the faculty director.

### **55. Independent Study 1-3 hours**



## COMMUNICATION AND THEATRE ARTS

Communication and Theatre Arts has as its aim the following goals: 1. to instill an understanding and appreciation of oral rhetoric and its function in a liberal education; 2. to develop the student's resources, ability, and faculty for the spoken communication of thought and emotion; 3. to prepare students for graduate study in communications; 4. to foster an appreciation and understanding of theatre in our culture; 5. to provide an understanding and application of the theories and skills in Mass Communications and provide an opportunity for practical experience in television, radio, and journalism.

### MINOR IN COMMUNICATION-THEATRE ARTS (18 credits)

REQUIRED: One course (3 credits)

14 Fundamentals of Oral Communication

Choose 3 credits from:

22 Group Discussion

23 Argument & Debate

24 Interpersonal Communication

Choose 3 credits from:

17 Media and Society

18 Basic Audio Production

19 Basic Video Production

Choose 3 credits from:

15 Introduction to Theatre Arts.

16 Acting

25 Play Production

ELECTIVES: Any 6 credits from Communication & Theatre Arts.

### MINOR IN MASS COMMUNICATION (18 CREDITS)

REQUIRED: Two courses (6 credits)

18 Basic Audio Production

19 Basic Video Production

ELECTIVES: Any 12 credits from Communication & Theatre Arts

### MAJOR IN COMMUNICATION & THEATRE ARTS (36 CREDITS)

REQUIRED: 5 courses (15 credits)

14 Fundamentals of Oral Communication

17 Media and Society

23 Argumentation and Debate

34 Oral Interpretation of Literature

63 Senior Seminar

Choose 6 credits from:

15 Introduction to Theatre

16 Acting

Choose 6 credits from:

22 Group Discussion

24 Interpersonal Communication



## **72 Communication and Theater Arts**

25 Play Production  
35 Advanced Acting  
36 Play Direction

42 Intercultural Communication  
43 Persuasion  
44 Organizational Communications  
54 Political Communications

**ELECTIVES:** Any 9 credits from Communication & Theatre Arts.

### **MAJOR IN MASS COMMUNICATION (36 credits)**

**REQUIRED:** 5 courses (15 credits)

17 Media and Society  
18 Basic Audio Production  
19 Basic Video Production  
27 Broadcast Announcing  
63 Senior Seminar

**Choose 6 credits from:**

15 Introduction to Theater  
16 Acting  
22 Group Discussion  
24 Interpersonal Communication  
25 Play Production  
32 Advanced Oral Communication  
34 Oral Interpretation of Literature  
36 Play Direction  
43 Persuasion  
44 Organizational Communication  
52 Public Relations

**Choose 12 credits from:**

31 Sports Info & Reporting  
37 Broadcast Journalism  
39 Radio-TV-Film-Script Writing  
47 Adv. Audio Production  
48 Adv. Video Production  
49 Broadcast Management  
54 Political Communications  
57 Issues in Mass Comm.  
58 Media Law  
50 Hollywood Workshop  
61 Practicum in Comm.  
90 Internship in Comm.

**Choose 3 credits from:**

07 Radio Laboratory  
08 Television Laboratory

**Note:** Students who major in Communication & Theatre Arts may not minor in Mass Communication. Students who major in Mass Communication may not minor in Communication & Theatre Arts.

### **TEACHER EDUCATION REQUIREMENTS:**

Teaching major in speech: COM 05, 12, 13, 16, 18, 19, 25, 34; elect 9 hours from 14, 22, 23, 32, 43; and the major in speech and elect 3 hours from JRN 21 or 22.

Teaching minor in speech: COM 12, 13, 18, 19; elect 6 hours from 14, 22, 23, 32, 43; elect 6 hours from 16, 25, 34 and elect 3 hours from JRN 21 or 22.



## COURSE DESCRIPTIONS

### 05. Theatre Laboratory 1 hour

Applied practice in theatre. Participation in all phases of theatre activity and performance. This course may be taken up to three times.

**Prerequisite:** Consent of Instructor.

### 07. Radio Laboratory 1 hour

Applied practice in radio. Opportunity for work at WPUM-FM, the College radio station. This course may be taken up to three times.

**Prerequisite:** Consent of instructor.

### 08. Television Laboratory 1 hour

Applied practice in television production. Opportunity to work for WPUM-TV6, the College television studio. This course may be taken up to three times.

**Prerequisite:** CTA 19 or consent of instructor.

### 12. Physical Bases of Speech 2 hours

Emphasis placed on achieving acceptable and pleasing voice and articulation. Content shall include: physical bases of speech, group reading, individual work, drills and exercises.

### 13. Elements of Speech Improvement 3 hours

Diagnosing simple speech defects and disorders, nasality, lispings, omissions, additions, substitutions, inversions. Theory of improving simple defects and disorders.

### 14. Fundamentals of Oral Communication 3 hours

A study of the types and modes of public address. Practice in speech preparation and presentation. The student delivers between five and eight speeches during the semester. Prerequisite for most C&TA classes.

### 15. Introduction to Theatre 3 hours

This course is designed to help students achieve a better appreciation of the theatre arts and to help them to understand better the role of the arts in society. Topics include the nature of art, the role of the playwright, director, actor, designers, and audience, major movements in theatre history and philosophy, and types and forms of drama.

### 16. Acting 3 hours

A basic course for the beginning actor. Emphasis placed on body movement, use of the voice, stage directions, characterization, dramatization, emotional recall and vocal interpretation of the play script. The student will present scenes and short acts in class for critical purposes. Opportunity for participation in College productions.

### 17. Media and Society (Journalism 17) 3 hours

A study of the forms of communication involved in the mass media (print, radio, television and film). Basic theories of Message, Receiver, Channel, and Sender are applied in classroom exercises through oral reports, surveys and research. Required for Mass Communication, Journalism and English Education majors.

## **74 Communication and Theater Arts**

### **18. Basic Audio Production**

**3 hours**

The study of contemporary audio production. The history of radio, programming and management, the nature of sound and radio, and operation of equipment will be studied. Practical projects include interviews, newscasts, music shows, commercials and public service announcements.

### **19. Basic Video Production**

**3 hours**

A study of the theoretical and practical application of video production. Stress placed on performance, use of equipment, directing techniques. Practical projects include interviews, newscasts, demonstrations. Opportunity for special interest available in final project.

### **20. Photojournalism (Journalism 23)**

**3 hours**

The use of cameras and films and the developing and printing of black and white photographs used in journalism. Planning, taking and editing news pictures; writing cutlines and captions; the technique of the picture story.

### **22. Group Discussion**

**3 hours**

The content and methodology of participation and leadership in group problem-solving activities.

### **23. Argumentation and Debate**

**3 hours**

The study of argumentation techniques used in formal and content debating, preparation of the brief, strategy, use of evidence, affirmative and negative structure on current and national issues.

### **24. Interpersonal Communication**

**3 hours**

The study of communication as a method and process of exchanging meaning on both the interpersonal and intrapersonal levels of information; the analysis and application of structured and unstructured systems of communications.

### **25. Play Production**

**3 hours**

A study and application of the technical aspects of play production as they relate to the theatre. Practice in making a prompt book, stage lighting, scene design, set construction, and costuming. Participation in student productions is required.

### **27. Broadcast Announcing**

**3 hours**

A broad-based examination of the physical and professional aspects of media announcing. General voice theory is addressed, as are a variety of specific announcing techniques, including radio and television announcing, reporting and anchoring, public affairs announcing, and commercial announcing. Students are required to participate in lab exercises associated with the campus radio and television stations.

### **30. Journalism Ethics (Journalism 28)**

**3 hours**

A comprehensive study of legal and ethical considerations inherent to a free press in a free society. More than 200 case histories plus a series of guest speakers add depth and insight to a course that probes ethical codes and value systems in the mass news media. Special emphasis is given not only to how the press functions, but why it functions as it does.



**31. Sports Information and Reporting**

**3 hours**

The study of the process of reporting and coverage of live sporting events, including delivery, writing and play-by-play. The role of sports information staff as gatekeepers of information and responsibility to the press is explained.

**32. Advanced Oral Communication**

**3 hours**

Application in composition and delivery of the principles underlying all forms of speech. Practice in speaking on subjects of current interest and the student's choice.

**34. Oral Interpretation of Literature**

**3 hours**

The development of the student's abilities in reading aloud through exercises in the analysis and communication of the logical content of the printed page. Special attention will be given to a study of literature, prose and poetry, as they affect the understanding the performance of the oral interpreter.

**35. Advanced Acting**

**3 hours**

Advanced acting styles and techniques pertinent to the significant periods of the drama. Special attention is given to classical, medieval and Elizabethan modes of acting.

**36. Play Direction**

**3 hours**

Student apprenticeship in the direction of drama under staff supervision.

**Prerequisite: CTA 16 and 25.**

**37. Broadcast Journalism**

**3 hours**

The study of journalism in the electronic media, with emphasis on broadcast news writing, coverage and editing, problems and potentials. Practical projects include news reports in both radio and television, and a project involving the class in a 30-min. television newscast.

**38. Video Field Production**

**3 hours**

This is a course focusing on the application of video production techniques to remote field production. Students study the decision-making process in determining location, camera placement, lighting, sound and environment for producing video outside the studio. Attention is paid to pre-production planning, storyboarding, production logs, post-production scheduling, and client relationships. Students will work with color video equipment and produce products using the single camera, film-style approach. Basic Video Production is a prerequisite.

**39. Radio-Television-Film Scriptwriting**

**3 hours**

Non-performing course focusing on writing scripts for radio, television, and film. Students will develop materials for directors, actors, announcers and technicians. Comedy, drama, commercial announcements and filmscripts will be covered. Opportunity for self-expression in final project.

**43. Persuasion**

**3 hours**

Critical evaluation of the major principles and techniques of persuasion as they relate to public address and informal discussion.

**44. Organizational Communication** **3 hours**

An overview of the process of communication within organizations. Specifically, attention will be given to the functional and cultural perspectives of organizational communication. Course content includes a discussion of informational flow, vertical and horizontal communication, linking pins, communication climate, systems theory, storytelling, and communication audits. Emphasis is placed on understanding the theoretical principles and applying them to common organizational situations.

**47. Advanced Audio Production** **3 hours**

There are two thrusts to this course: laboratory experience in advanced audio production techniques, and an examination of higher level issues and concepts associated with the radio industry. Production techniques covered include two-track audio production and editing, news production and editing, telephone-based production, and basic radio engineering. Among the issues and concepts discussed are contemporary topics addressed in trade publications, music research, ratings interpretation, programming trends, short-wave radio, propaganda, and the broadcaster's social responsibility. Basic Audio Production is a pre-requisite.

**48. Advanced Video Production** **3 hours**

A production course dealing with advanced video production and directing techniques. Students' projects are based on advanced lighting principles, animated graphics and editing. Each student will work with state-of-the-art 3/4" electronic editing equipment.

**Prerequisite: C & TA 19.**

**49. Broadcast Management** **3 hours**

This course is designed to teach students the basics of mass media administration. The course prepares students for an entry level position in media management. Students will become familiar with every facet of radio-television management, including the new technologies of cable, satellite and interactive communications.

**Prerequisite: C & TA 18,19.**

**52. Public Relations** **3 hours**

This is an introductory course designed to provide an overview of the theoretical and practical foundations of public relations. Included is a discussion of organizational attitudes, public opinion, research, persuasive strategies, and image formation. In addition, students are exposed to the concepts of campaign construction, audience selection, media placement, and evaluation. A final project requires a synthesis of ideas into a comprehensive public relations campaign.

**54. Political Communications** **3 hours**

An examination of the role of the media in politics. The course considers the role of the print, film, radio, and telecommunications media on the political system and the interaction of the political actors with the media.

**55. Independent Study**

**57. Issues in Mass Communication** **3 hours**

A study of problems in contemporary broadcasting. The course focuses on televised sex and violence, children and television, broadcast journalism ethics, public



broadcasting, and government regulation. The class will work on a pilot study involving one aspect of the course as a final project.

**58. Media Law (Journalism 58) 3 hours**

Study of the legal issues concerning the media including: statutes and regulations governing press, broadcast and films; analysis of defamation, libel, contempt, privacy, copyright, legal rights and privileges of the mass media.

**59. Hollywood Workshop 3 hours**

The study of contemporary mass media in America. Students gain an inside look at the motion picture, television, and journalism industries by attending a one week "Media Workshops" Summer Seminar in Los Angeles, where they attend lectures, film screenings, television show tapings, and tour motion picture studios and production facilities. On campus students apply production principles by producing an original television program, which may include writing, promotions programming, and casting in addition to the actual production process. Students are admitted to this course by consent of the instructor.

**60. Topics in Communication and Theatre Arts 3 hours**

This course is flexible in content with its focus determined by student and faculty interest, current trends, and departmental needs. Examples of possible topics include religious communication, film criticism, theatre history, etc.

**61. Practicum in Communications 3 hours**

Applied practice in radio/TV theatre. Students working in radio or television participate in projects in the College radio and TV studios. Students working in theatre, participate in stagecraft, production, or direction of theatre productions.

**63. Senior Seminar 3 hours**

A seminar for seniors who will graduate in the area of communications. Each senior will be required to undertake a project recommended and approved by the professor in whose area of concentration the student has majored. The project, which may take many forms, must demonstrate the student's mastery and expertise in the area of concentration.

**Prerequisite:** Senior status and consent of instructor.

**90. Internship in Communications 1-3 hours**

Available to qualified students. Participants will work in College-approved off-campus internship programs at radio stations, television studios, newspapers, theatres, etc.

**Prerequisite:** Consent of instructor.

**COMPUTER SCIENCE**

The discipline of computer science involves the study of algorithmic processes that describe and transform information, encompassing theory, analysis, design, efficiency, implementation, and application. The principle subject areas in computer science include algorithms and data structures, architecture, artificial intelligence and robotics, database and information retrieval, human-computer communication, numerical and symbolic computation, operating systems, programming languages, and software methodology and engineering.

The Department offers two major concentrations (Computer Science, Information Systems), four group majors (Mathematics/Computer Science, Management-Marketing/Information Systems, Accounting/Information Systems, Finance/Information Systems), two Associate Degrees (Business/Computer Science and Business Information Management), and a minor in Computer Science. The programs are designed and regularly updated to develop the student's creative yet disciplined problem-solving abilities, to expose the student to current developments in the rapidly evolving field of computer science, and to develop their understanding of the social and professional context of the field.

**MINOR IN COMPUTER SCIENCE (18 credits)**

**REQUIRED:** 4 courses (12 credits)

11 Computer Science I	21 Low Level Programming
12 Computer Science II	22 Data Structures

**Choose:** Any 2 courses (6 credits) from Computer Science required for the major.

**MAJOR IN COMPUTER SCIENCE (46 credits)**

**REQUIRED:** 11 courses (34 credits)

CMP 11 Computer Science I	CMP 35 Organization of Programming
CMP 12 Computer Science II	CMP 43 Design & Analysis
CMP 21 Low Level Programming	CMP 44 Software Engineering
CMP 22 Data Structures	MTH 20 Discrete Mathematics
CMP 33 Computer Organization	MTH 25 Calculus I
CMP 34 Operating Systems	

**ELECTIVES:** Any 9 credits in CMP and 3 additional credits from MTH 26 and above.

**MAJOR IN INFORMATION SYSTEMS (45 credits)**

**REQUIRED:** 11 courses (33 credits)

CMP 11 Computer Science I	CMP 34 Operating Systems
CMP 12 Computer Science II	CMP 40 Information Systems
CMP 21 Low Level Programming	CMP 41 Data Base Concepts
CMP 22 Data Structures	CMP 44 Software Engineering
CMP 31 Apps Programming	MTH 20 Discrete Mathematics
CMP 33 Computer Organization	



**ELECTIVES:** Any 6 credits in Math & 6 credits in Comp. Sci. (MTH 25 recommended).

**NOTES:** Students majoring in Computer Science and Information Systems are required to complete a project in Software Engineering. This project must be presented to the Computer Science Faculty and accepted by the faculty prior to graduation.

The requirements for group majors in Accounting-Information Systems, Finance-Information Systems, Management/Marketing-Information Systems, and Mathematics-Computer Science, are found under Accounting, Finance, Management, and Mathematics respectively.

CS 01 through 07 do not count towards a major, minor or group major in computer science.

### **TEACHER EDUCATION REQUIREMENTS:**

Computer Science endorsement for teachers/12 hours in one of the following sequences:

- a) CS 01, 02, 03, 11, 12, 38
- b) CS 01, 02, 03, 11, 28, 40
- c) CS 11, 12, 28, 40

### **COURSE DESCRIPTIONS**

#### **01. Introduction to Computers 1 hour**

This course provides an introduction to computer concepts and terminology as well as a brief overview of computer networks. Basic commands for DOS, Windows, and UNIX operating systems will be covered.

#### **02. Introduction to Spreadsheet and Business Graphics 1 hour**

This course will cover fundamental concepts in spreadsheet applications and business graphics using the LOTUS 1-2-3 package.

**Prerequisite:** CS 01 or consent of instructor.

#### **03. Introduction to BASIC programming 1 hour**

This course will cover the fundamentals of programming in BASIC on microcomputers. Introductory programming concepts, including the design and implementation of algorithms in structured BASIC are presented.

**Prerequisite:** CS 01 or consent of instructor.

#### **04. Introduction to Database Management and Data Communications 1 hour**

This course will cover database management concepts for the end user, including topics in communications in a distributed environment. The database management system will be the primary software package. Data communication for the end user in a networked environment will be examined.

**Prerequisite:** CS 01 or consent of instructor.

#### **05. Selected Computer Application 1 hour**

This course covers the fundamentals of using a selected computer application.

## **80 Computer Science**

Example of appropriate applications would include desk top publishing, CAD/CAM, simulation software, expert systems or project management software, for example. This course may be offered as interests dictate.

**Prerequisite: CS 01 or consent of instructor.**

### **06. Introduction to Keyboarding 1 hour**

This course covers the fundamentals of the touch method of keyboarding and aims to develop the student's speed and accuracy.

### **07. Advanced Keyboarding 3 hours**

This course aims at further development of skills and accuracy on the computer keyboard. Number input and formatting skills for business documents are also covered.

### **09. Independent Computer Applications 1-3 hours**

(Does not count towards a major or minor in Computer Science). All proposals for independent study must be approved by the instructor.

**Prerequisite: Instructor's Approval.**

### **11. Computer Science I 3 hours**

This is an introduction to programming using the Pascal language. Emphasis is placed on the development of programming skills: problem solving techniques, top down design methodology, structured programming, and testing and debugging of programs. Topics include computer system structure, the syntax of the Pascal language, control structures, data types, procedures, functions, parameters, scope, arrays, strings, records, simple searching, sorting, and merging. Includes a weekly laboratory.

### **12. Computer Science II 3 hours**

This course builds upon CS 11, refining programming skills in the area of design, development, testing, and debugging. Covered topics include the implementation of files, pointers and records, stacks and queues, simple linked lists, and recursion. Emphasis will be on larger scale programming projects. The language is introduced. Includes a weekly laboratory.

**Prerequisite: CS 11.**

### **21. Computer Architecture I 3 hours**

This course is intended as a methods course for developing programs that must interface at the hardware level, such as operating systems and machine control applications. Low level topics include data representation, interrupt handling, addressing modes, microprocessor design, and interfacing computers with analog and digital devices. Elementary architecture involving fetch-execute cycles, busses, types of memory, input/output, and data communication will be covered.

**Prerequisite: CS 12.**

### **22. Data Abstraction 3 hours**

This course covers data structures and algorithms. Topics covered include data structures, data abstraction and object-oriented design, and algorithm analysis. The design and implementation of lists, stacks, queues, trees, and graphs as well as searching, sorting, and merging algorithms are covered. Issues in memory and storage management are investigated.

**Prerequisite: CS 12.**



**25. Advanced Computer Applications (Bus 25) 3 hours**

This course provides the student with the opportunity to apply computer software packages to appropriate projects. Software packages may include spreadsheets, graphics, database management, desk top publishing, communications and project management. The emphasis will be on applying the software packages to the management of information and problem solving in business.

**Prerequisite:** CS 1-2 or CS 11, or consent of instructor.

**28. Computer Based Teaching Methods 4 hours**

Desk work shall include the study of the use of the microcomputer for tutorials, drills, and simulations for use in the classroom. Research related to sources of instructional computing software will be done by the students. There will be hands-on experience with two educationally oriented programming languages: PILOT and LOGO. Each student will write and run at least one CAI tutorial using PILOT. Each student will write and execute programs using recursive procedures with the LOGO "turtle" as well as write and run simple programs using arithmetic algorithms in LOGO. Does not count toward a major, group major, minor, or associate degree in Computer Science.

**31. Applications Programming 3 hours**

This course presents structured programming concepts using the COBOL programming language. Emphasis will be placed on file-handling topics including sequential and random access files.

**Prerequisite:** CS 12.

**33. Computer Architecture II 3 hours**

Basic logic design, flip-flops, register structure, processor architecture and instructions, arithmetic logic unit, address construction, instruction execution, input/output system, memory system, hardware/software interface.

**Prerequisite:** CS 12 and CS 21.

**34. Operating Systems 3 hours**

This course examines the design and implementation of computer operating systems, which are the programs that act as resource managers in computer systems. Topics include fundamentals of processes and timesharing, primary and secondary storage management, input/output processing, and user-machine interfacing.

**Prerequisite:** CS 33.

**35. Organization of Programming Languages 3 hours**

This is an applied course in programming language constructs emphasizing the runtime behavior of programs. Topics include data types and structures, control structures and data flow, subroutines, recursion, dynamic storage allocation, and formal language concepts.

**Prerequisite:** CS 22.

**37. Selected Computer Language 1-3 hours**

One computer language is taught in this course. The language is chosen from ALGOL, RPG, PI/I, APL, LISP, ADA, GASP, SIMSCRIPT, C, and different assembler languages.

**Prerequisite:** Junior standing or consent of instructor.

**39. Digital Elements (Physics 39)****4 hours**

In addition to a review of digital arithmetic and Boolean algebra, this course includes the following topics: logic design through the use of digital multiplexors and integrated circuit logic gates; flip-flop storage elements; combination logic circuits; counting circuits; and shift registers. Laboratory work involves the design and implementation of various digital logic units from simple combinational logic circuits to complex sequential logic circuits, by means of small-scale and large-scale integrated circuitry. Three lectures and one three-hour lab each week.

**Prerequisite or corequisite: CS 33. Prerequisite: Physics 21-22 or consent of instructor.**

**40. Information Systems (Bus 40)****3 hours**

Provides background by defining and explaining technical, behavioral, economical, and organizational concepts relevant to information needs for decision making. Introduces the student to financial, technical, and strategic planning information systems. Design, planning, organizing, and controlling user services and managing systems are key elements of the course.

**Prerequisite: CS 10 or CS 11 and Junior Standing.**

**41. Data Base Concepts****3 hours**

This course introduces logical and physical data structures, data base design, design objectives and commercial data base management systems. Hierarchical, network, and relational models are introduced along with such concepts as query languages, data dictionaries, and distributed networks.

**Prerequisite: CS 22.**

**43. Design and Analysis of Computer Algorithms****3 hours**

This course covers the theory, design, implementation, and analysis of algorithms in depth. Topics covered include methods of algorithm analysis and verification; algorithmic strategies such as divide and conquer, dynamic programming, and backtracking; complexity classes; sorting, searching, and pattern matching; graph and tree processing; optimization algorithms; theory of computability and undecidability; and parallel and distributed algorithms.

**Prerequisite: CS 22.**

**44. Software Engineering****3 hours**

This course presents a formal approach to state-of-the-art techniques in software design and development. An integral part of the course is the involvement of students working in teams in the organization, management, and development of a large software project.

**Prerequisites: CS 22.**

**46. Numerical Analysis (Mathematics 39)****3 hours**

Solution of nonlinear equations, approximation, interpolation, numerical integration and differentiation, solution of ordinary differential equations.

**Prerequisites: CS 12 and Math 26.**

**49. Computer Graphics****3 hours**

Interactive computer graphics techniques, graphics primitives, transformations,



segments, windowing, clipping, three-dimensional graphics.

**Prerequisites:** CS 12 and Math 25.

**50. Computer Interfacing and Networking (Physics 50)**

**4 hours**

This course deals with serial and parallel device-interfacing techniques. Topics will include DMA transfers and fundamental concepts of computer networking in distributed systems. Applications of these techniques will be made in the laboratory. Three lectures and one three-hour lab each week.

**Prerequisites:** CS 22 and CS 33.

**51. Senior Project in Hardware Design (Physics 51)**

**3 hours**

A proposal for the project must be presented to the computer science faculty for approval, after which it may be carried out under the direction of a faculty member. The student will make an oral presentation of the completed project to the Department.

**Prerequisite:** CS 50 or consent of the instructor.

**55. Independent Study**

**1-3 hours**

All proposals for independent study which are intended to count towards a major or minor in Computer Science must be approved by the instructor who must be a member of the Computer Science Department. In addition, the results of the study must be presented to the Computer Science Department.

**Prerequisite:** Computer Science Instructor's Approval.

**59. Topics in Computer Science**

**3 hours**

This course investigates one or more current topics in the field of computer science.

**Prerequisite:** CS 22 and junior standing.

**90. Computer Science Internship**

**3-6 hours**

Students who qualify may be placed with a company according to availability of internship positions and college regulations. Consult the department chair for requirements.

## ECONOMICS

The program in Economics has the following objectives: 1) to provide methods of inquiry which enable the students better to understand how modern economic systems function; 2) to develop the students' critical, analytical, and problem-solving capabilities as part of a preparation for careers in business and government or for graduate study in economics, business, or law.

### MINOR IN ECONOMICS (18 credits)

ELECTIVES: Any 18 hours in Economics

### MAJOR IN ECONOMICS (37 credits)

REQUIRED: 5 courses (16 credits)

23 Principles of Economics: Microeconomics

24 Principles of Economics: Macroeconomics

28 Business & Econ Statistics

31 Intermediate Income Analysis

32 Intermediate Price Analysis

ELECTIVES: Any 21 credits from Economics. (Up to 9 credits may be taken from ACT 11, ACT 12, MTH 25, PSY 30, SOC 31).

### TEACHER EDUCATION REQUIREMENTS:

Teaching major in business: BUS 10, 11, 12, 20, 22; FIN 23; ACT 11, 12; 23 or 24. Computer Science 07, 11-12; Elect 3 hours ACT 31 or above. ECN 23-24, 28. College major in accountancy, economics, finance, management, or marketing.

The economics major may also choose a social studies teaching major: EDC 10, 14, 21, 43, 77, 86, 99; ECN 23, 24, 28, 31, 32, 40; POL 21, 22 and 6 hours from 29, 30, 32, 33, 34, 35, 35, 37, 44, 46, 48, 49; HST 25 and the major in economics.

### COURSE DESCRIPTIONS

#### 01. Economics for Middle School Teachers 3 hours

An overview of economic principles are exemplified by texts in common usage in middle school social studies programs.

#### 23. Principles of Economics: Microeconomics 3 hours

A study of the principles and problems connected with the production, exchange and consumption of economics goods.

**Prerequisite:** Math 8 or Economics Department approval.

#### 24. Principles of Economics: Macroeconomics 3 hours

A study of the principles and problems connected with the level and fluctuation of



national income and employment, the economics of growth, and the principles of international trade. **Prerequisite: Math 8 or Economics Department approval.**

**28. Business & Economics Statistics (Bus. 28) 4 hours**

An introduction to the fundamentals of modern statistics. Topics include the following: collection and organization data, descriptive statistics, probability and decision-making, problems of estimation and tests of hypotheses, linear regression, correlation, and time series analysis. Emphasis is on the interpretation and use of statistical analysis in business and economic problems.

**31. Intermediate Income Analysis 3 hours**

An intensive study of national income accounting and the theory of national income determination with special emphasis on the policy implications of the analysis.

**32. Intermediate Price Analysis 3 hours**

An intensive study of the theory of price in both the output and input markets with special emphasis on the application of modern tools of analysis to concrete business and public problems.

**35. Money and Banking 3 hours**

A study of monetary standards, banking principles, and monetary theory with emphasis on the financial institutions of the United States.

**37. Government and Business 3 hours**

A study of the foundations for government intervention in business and the activities in which it currently engages in relation to business, with emphasis on federal legislation as it applies to the maintenance of competition.

**39. Comparative Economic Systems 3 hours**

A study of the economic systems existing in the contemporary world with special emphasis on the comparison of these systems with the mixed enterprise system of the United States.

**40. Public Finance 3 hours**

A study of the principles of finance in government. Topics to be considered will include public revenues and expenditures, taxation, public debt, governmental budgeting, and fiscal policy.

**42. American Economic History (History 38) 3 hours**

**43. Labor Economics 3 hours**

The course concentrates on the size and composition of the labor force, the history of the labor movement, the issues involved in collective bargaining, wages and hours, unemployment, and social security.

**44. International Finance (Finance 44) 3 hours**

Examines the effects of trade on national income and production, the various policies that can be used to correct balance of payments problems, and the alternatives to the present international monetary system.

**46. Introduction to Econometrics** **3 hours**

An examination of statistical methods frequently used in economics. Emphasis is given to the theory and application of multiple linear regression analysis.

**Prerequisites: Economics 28 or equivalent.**

**50. Seminar** **3 hours**

The seminar will be directed to a discussion of current issues in economics which are not covered in the content of other courses.

**54. Social Science Seminar** **3 hours**

Intensive consideration of a problem or issue of interest to social scientists. This is an interdisciplinary course in which students interact with faculty and students from other departments in the social science and undertake a research project utilizing the methods and perspectives found in their own major discipline. For upper-level students. By invitation only.

**55. Independent Study** **1-3 hours**

**59. Topics in Economics** **3 hours**

**90. Economics Internship** **3 hours**

Selected students in economics will be given three credit hours for completion of an internship with a financial institution. The students must be in the junior year and the internship will be offered during the fall or winter semester.

The student will be introduced to the general operations of the firm and will also work on specific projects. The student will be required to submit periodic activity reports and a summary paper at the end of the semester. Also, the student will provide a presentation to an appropriate economics class to share the experience with other interested students and economics majors.



## EDUCATION

All the teacher education programs for elementary, middle, junior high and secondary teachers have been approved by the State of Indiana Professional Standards Board. Saint Joseph's College is also accredited by the National Council for the Accreditation of Teacher Education (NCATE) which assures reciprocal certification in many states.

Students who wish to pursue teacher certification should study the booklet "Teacher Education Programs for Saint Joseph's College" which is available in the Education department or the office of the Vice President for Academic Affairs. All teacher education students must apply for admission to the Teacher Education Program during September of their junior year. All teacher education majors must apply for admission into student teaching during January of their junior year. A minimum 2.50 G.P.A. is required. Application forms may be picked up from the secretary in the Education Department.

All teacher certification programs require a minimum of 124 semester hours of credit.

There are three state/NCATE certified programs offered by Saint Joseph's College: Elementary (1-6); all grade (K-12); and Senior High, Junior High/Middle School. Within each area there are specific endorsements and/or teaching minors as follows:

**Elementary (1-6)** certification with state teaching endorsements or teaching minors possible in: coaching, computer science, driver education, general mathematics, reading and mild disability; and with the possible addition of middle school endorsement and teaching areas in: language arts, science, social studies, mathematics, French, German, Spanish, and mild disability.

**All Grade (K-12)** certification in physical education and music, with the possible addition of all junior high, middle and secondary teaching majors and teaching minors.

**Senior High, Junior High/Middle School Standard** license with teaching majors and minors in business education, (accountancy, management, marketing), English, mathematics, social studies (economics, world civilization, American history, sociology, psychology, government), science (biology, chemistry, geology, physics, general science, physical science), and speech; with additional state teaching minors or endorsements in: driver education, reading, coaching, health and safety, conservation and environmental studies, French, German, Spanish, computer science, general mathematics and mild disability. (The specific course requirements for each teaching major and teaching minor or endorsement are listed under the specific department.)

The teacher education program at Saint Joseph's College is based on the following premises in preparing "teacher as Christian professional":

Premise 1: Today's teachers must possess a trans-disciplinary view of a complex and rapidly changing world and they must be capable of managing change within that world. Accordingly, teachers need these skills; effective communications ability, problem solving ability, analytical capability, effective social interaction, and understanding of human ecology.

Premise 2: Since an effective teacher must have a broad general education and some academic specialization as well as professional preparation, an institution-wide committee must have control of teacher education.

The Teacher Education Committee at Saint Joseph's College controls all facets of



the Teacher Education Program and is composed of members from the education department, representatives chosen from the academic areas, representatives from the teaching profession and student representatives. This group controls the curriculum, prescribes and controls admission standards and develops the objectives for each program. It also acts as the appeals route for decisions of the education department and its chairperson. Appeals are to be received within five class days after the student has received the official communication. Appeals from the Teacher Education Committee are made to the Vice-President for Academic Affairs within five class days after receiving notice from the Teacher Education Committee.

Premise 3: The teaching profession requires competent personnel, capable of effective teaching and of managing their own lives.

In order to accomplish this objective, the Teacher Education Program provides for continual assessment at each level of experience. Thus, students have early field experiences which are supervised both by the College and by the school personnel. In accompanying seminars and classroom lectures, students are expected to demonstrate the following skills:

1. effective social behavior in a variety of situations and circumstances, beyond and in the classroom, involving different cultures or subcultures in large and small groups;
2. understanding and acceptance of personal responsibility in managing their own lives;
3. ability to analyze educational programs and organizations in terms of philosophical implications;
4. application of problem-solving techniques in the consideration of educational problems;
5. perception of educational problems within the dimension of the total educational structure and application of problem solving techniques in resolving them;
6. giving evidence of understanding theories of development and learning by adequately analyzing the classroom situation and applying these theories effectively.

Premise 4: Teachers trained in our program will be asked to perform in a variety of school settings. The professional sequence, accordingly, makes possible for students a sound knowledge base in psychological, social, cultural, historic, and philosophical foundations of education. Theory is integrated into practice through the use of observations and practice early in the student's career.

Premise 5: As a resident college, Saint Joseph's offers the co-curricular cultural activities likely to develop the personal qualities and social skills necessary to a professional person.

Premise 6: An alert faculty interested in new approaches to educational problems with experience at the elementary, middle or junior high, and secondary school levels tends to produce similarly alert teachers.

## **MINOR IN ELEMENTARY EDUCATION (For elementary ed majors) (18 credits)**

**REQUIRED:** 8 courses (18 credits)

MTH 01 The Real Number System & it's Theory for Teachers

MTH 02 Finite Mathematics for Teachers

MTH 03 Statistics and Probability for Teachers

MTH 04 Methods of Teaching Mathematics



MTH 05 Computer Science for Teachers  
 MTH 06 Problem Solving as a Process

Choose 6 credits from: BIO 04, CHM 1, GEO 11, GEO 12 or PHY 1, or any other science lab course.

### **MAJOR IN ELEMENTARY EDUCATION (37 credits)**

**REQUIRED:** 12 courses (37 credits)

EDC 10 Christian Education and the Human Situation  
 EDC 14 Educ Psych: Childhood, Adolescence & Youth  
 EDC 21 Social Foundations  
 EDC 43 General Methodology  
 EDC 61 Exceptional Children in the Classroom  
 EDC 70 Methods for Science for Elementary Teachers  
 EDC 71 Language Arts for Elementary Teachers  
 EDC 72 Developmental Reading for Elementary Teachers  
 EDC 73 Children's Literature  
 EDC 75 Methods in Social Studies for Elementary Teachers  
 EDC 76 Diagnostic and Corrective Reading for Elementary Teachers  
 EDC 98 Student Teaching: Elementary

**REQUIRED:** 9 courses needed for Indiana teaching license (22 credits)

ART 47 Art Foundations I  
 ART 48 Art Foundation for Elementary Teachers II  
 MUS 27 Musical Preparation for Elementary Classroom Teachers I  
 MUS 28 Musical Preparation for Elementary Classroom Teachers II  
 PE 21 Activities for Elementary Grades  
 ENG 47 Grammar and Expression  
 ENG 48 Advanced Writing  
 HST 23 or 24 or 38  
 ECN 23 or 24 or POL 21

### **MINOR IN SECONDARY EDUCATION**

To become a licensed teacher at the Senior High, Junior High/Middle School level students must take the education courses listed below which constitute a minor in Secondary Education.

**REQUIRED:** 7 or 8 courses (25-27 credits)

EDC 10 Christian Education and the Human Situation (Core 10)  
 EDC 14 Educational Psychology: Childhood, Adolescence and Youth  
 EDC 21 Social Foundations of Education  
 EDC 43 General Methodology  
 EDC 45 Curriculum and Organization: 1-8 (PE and Music majors)  
 EDC 77 Reading in the Content Areas-Grades 5-12  
 EDC 80-87 Special Methods Courses  
 EDC 99 Student Teaching: Secondary

**NOTES:** Important information about all Teacher Education Programs may be found on page 47 under Academic Policies.

Students seeking secondary education certification are encouraged to earn another minor.

## **COURSE DESCRIPTIONS**

A 2.50 cumulative index or higher is required to register for education courses marked with an \*.

### **10. \* Christian Education and the Human Situation (Core 10) 3 hours**

A consideration of contemporary educational problems in the perspective of Christian humanism. Special attention is given to the philosophical and ethical aspects of these contemporary issues and some effort is made to place these issues in their historical perspective. Cultural and ethical concerns are explored. (This course is to be taken with or following Core 9.)

### **13. Educational Psychology: Birth to Early Adolescence 2 hours**

Principles of growth and development. Cognitive, psychomotor and affective development. Ethnic, cultural and disability awareness. Individual and group theories of learning. Offered second semester each year: MW 2:00-2:50.

### **14. Educational Psychology: Childhood, Adolescence and Youth 4 hours**

Principles of growth and development. Cognitive, psychomotor and affective development. Ethnic, cultural and disability awareness. Individual and group theories of learning. Must be taken by all students seeking teacher certification. Offered both semesters each year. MWF 11:00-11:50. Clinical and/or field experiences, comprising approximately 40 clock hours at the middle school. Must be taken by all prospective students in the Teacher Education Program during the first or second semester of the freshman year. One morning (8:00-11:30) or one afternoon (12:00-3:30) per week must be kept free of other classes for this professional laboratory experience. Elementary education majors normally take it in the first semester of the freshman year. Secondary education students normally take it in the second semester of the freshman year at Rensselaer Central Middle School.

### **21. Social Foundations of Education 3 hours**

The historical basis of the present educational system, social impact and future implications. Cultural, ethnic and minority expectations of school. Legal rights and responsibilities of students and teachers. Human relations skills. PL 94-142. EDC 21 is to be taken at the sophomore level. Offered both semesters each year: MWF 8:00-8:50. Clinical and/or field experiences in multi-cultural settings, comprising approximately 40 clock hours.

### **43. \* General Methodology, Organizational Principles and Classroom Management for Middle and Secondary Teachers 2 hours**

Classroom management, teaching process, instructional media, basic measurement theory, general principles of curriculum development, and individualization. This course must be taken by all elementary, all-grade and secondary teachers in conjunction with student teaching. This course is offered in both terms on Mondays from 6:30 to 7:30 p.m.



**45. \* Curriculum and Organization: 1-8 2 hours**

A course specially designed for all-grade teaching majors in music and physical education. In addition to a discussion of the general elementary curriculum, the course also considers the self-contained 1-8 classroom and the 6-8 organization of middle school programs. Offered second semester each year: TTh 11:00-11:50.

**46.\* Middle School Language Arts (English 47) 3 hours**

A study of the nature of language as particularly exemplified by English. The course offers special study in etymologies, meaning, and the units of English grammar from the morpheme to the sentence. Emphasis is on contemporary approaches and new trends in the middle school curriculum. Offered first semester each year: TTh 12:35-1:50.

**55. Independent Study 1-3 hours****59. Topics in Education (graduate or undergraduate) 3 hours****61.\* Exceptional Children in the Classroom (PE.29) 4 hours**

Theory, techniques and methodology relative to the exceptional children in the classroom. This course compares and contrasts to the "normally developing student" with the "Exceptionally developing student" in areas of physical, emotional, communicative and learning abilities/disabilities. The use of mainstreaming, an individualized education program (IEP), and related services for the handicapped child are explored. PL 94-142 and PL 99-154. Required of ALL elementary teachers and all secondary teachers for Illinois: Offered first semester each year: MWF 11:00-12:15. Clinical and/or field experiences comprising approximately 40 clock hours. Pre-service teachers will be placed in a special education classroom in one of the seven school corporations contiguous to the college.

**62.\* Introduction to Learning Problems 4 hours**

This course focuses on differences among the various types of exceptionalities, types of mild learning disabilities, basic concepts, history, incidence, and implications relating to academic performance in all areas. A one credit hour field or clinical experience is required with the course. Pre-service teachers will be placed in a special education classroom in one of the seven school corporations contiguous to the college. Fee \$25.00.

**Prerequisite: 2.50 cumulative GPA. Offered second semester of each year. MWF 7:40-8:50AM.**

**63.\* Identification of Specific Mild Disabilities 4 hours**

This course concentrates on assessment procedures and techniques, agencies and personnel, and materials used in identification of Mild Disabilities. Students learn to administer, evaluate, and interpret various formal and informal tests. Procedures for using the acquired diagnostic information in writing IEP's is also covered. A one credit hour field or clinical experience with MD students is required with this course. Pre-service teachers will be placed in a special education classroom in one of the seven school corporations contiguous to the college, \$25 fee.

**Prerequisite: 2.50 GPA. Educ 61 or Educ 62.**



**64.\* Methods and Materials for the Learning Disabled Students 4 hours**

General and specific techniques and materials including appropriate hardware and software for use with the learning disabled student in special classes or mainstreamed into the general education classroom are covered. Practice in the utilization of these methods and materials at all grade levels will be provided. A one credit hour field or clinical experience is required with this course. Pre-service teachers will be placed in a special education classroom in one of the seven school corporations contiguous to the college. Fee \$25.00

**Prerequisite: 2.50 GPA. Two from Educ 61,62 or 63.**

**METHODOLOGY COURSES FOR ELEMENTARY TEACHERS**

**70.\* Methods in Science for Elementary Teachers 2 hours**

Techniques and methods of teaching elementary science. Curriculum development, laboratory methodology, individual diagnosis, remedial teaching, computer-assisted instruction and evaluation. Offered second semester each year. MW 2:00-2:50.\$20 fee.

**Prerequisite: EDC 61**

**71. Language Arts for Elementary Teachers 2 hours**

An introduction to the language arts segments of reading instruction in the elementary school. Methods of language development, handwriting and spelling are included. The study of ethnic, cultural and linguistic differences and deficiencies and their effects on reading readiness and ability are explored. EDC 71 is offered during the first semester each year. T: 1:00-2:50.

**72. Developmental Reading for Elementary Teachers 3 hours**

A detailed study of basic and developmental reading programs and methods. The study of ethnic, cultural and linguistic differences and deficiencies and their effects on reading readiness and ability are explored. PL. 94-142 and PL. 99-154.TTh: 1:00-1:50. Clinical and/or field experiences, comprising approximately 40 clock hours. For elementary education majors, this experience is at the elementary or middle school level and is taken in the second semester of the freshman year. One morning (8:00-11:30) per week must be kept free of other classes for this professional laboratory experience. Elementary Education majors will complete this at the middle or high school level while secondary education majors will complete it at the high school level.

**73.\* Children's Literature 2 hours**

A survey of diverse traditional and contemporary literature for children from kindergarten through junior high school. Emphasis is placed on types of literature, methods of use, authors and illustrators. Techniques of introducing children to literature and in developing and extending the appreciation of it through the use of all kinds of hard and software. The language arts and the creative arts will be stressed. Offered second semester each year: TTH 2:00-2:50.

**75. Methods in Social Studies for Elementary Teachers 2 hours**

Techniques and methods of teaching elementary social studies, curriculum development, individual diagnosis, remedial teaching, instructional media and evaluation. Offered first semester each year. TTH 11:00-11:50.

**76\* Diagnostic and Corrective Reading for Elementary Teachers 3 hours**

Emphasis is on the diagnosis of reading difficulties and appropriate corrective



methods. The principles of measurement theory as they apply to diagnosis and evaluation are developed through the use and critiquing of formal and informal tests and materials. Offered first semester each year: MW 2:00-3:15. Clinical and/or field experiences comprising approximately 40 clock hours. Must be taken by all elementary education majors usually during the sophomore or junior years. One morning (8:00-11:30) per week must be kept free of other classes for this professional laboratory experience.

**METHODOLOGY COURSES FOR MIDDLE, JUNIOR HIGH AND SECONDARY TEACHERS**

**77.\* Reading in the Content Areas-Grades 5-12 4 hours**

Helps to develop understanding of reading problems as they relate to learning, instruction, and evaluation in the specific subject areas. Adaptations necessary for the mainstreamed student are discussed. Cultural and ethnic differences will be considered. Legal responsibilities for the mainstreamed student will be covered. PL. 94-142 and PL. 99-154. Offered first semester each year: TTh 11:00-12:15. Clinical and/or field experiences, comprising approximately 40 clock hours. One Morning (8:00-11:30) or one afternoon (12:00-3:30) per week must be kept free of other classes for this professional laboratory experience. This experience will normally be taken at Kankakee Valley Middle/Senior High School.

**78. Diagnostic and Remedial Reading for Middle or Junior High and Secondary Schools 3 hours**

This course shall strive to develop understanding of reading problems encountered by students of this age level in subject-oriented materials. The curriculum and organization of the elementary school shall be reviewed as a foundation for the treatment of specific difficulties in each content area. Informal and formal measurement of reading levels and techniques to promote individualized and interdisciplinary learning shall be stressed. Adaptations for the mainstreamed student are discussed. Offered first semester each year: TTH 2:00-3:15.

**SPECIAL METHODS COURSES FOR MIDDLE, JUNIOR HIGH AND SECONDARY TEACHERS**

Each student preparing for middle, junior high and/or secondary teaching is required to take the methodology course appropriate for the major teaching area. Completion of this course is a requirement for certification and enrollment is limited to teacher education students. Curriculum development, laboratory methodology, individual diagnosis, remedial teaching, evaluation. Offered second semester each year. Normally the student will take this course in the junior year, as it cannot be taken with student teaching.

EDUC 80:* The Teaching of Language Arts:	5-12	2 hours
EDUC 81:* The Teaching of Science:	5-12	2 hours
EDUC 82:* The Teaching of Mathematics:	5-12	2 hours
EDUC 84:* The Teaching of Physical Education:	5-12	2 hours
EDUC 85:* The Teaching of Music:	5-12	2 hours
EDUC 86:* The Teaching of Social Studies:	5-12	2 hours
EDUC 87:* The Teaching of Business:	5-12	2 hours

**PROFESSIONAL LABORATORY EXPERIENCES**

The professional laboratory experiences are designed to give prospective teachers an opportunity to test their technique in actual school settings or under simulated conditions in a laboratory setting.

**90. Professional Laboratory Experience 1 hour**

This professional laboratory experience is designed for students who transfer into the College and into the Education Department for the preparation of being certified at the elementary/middle school levels. Clinical and/or field experiences, comprising approximately 40 clock hours. Must be taken prior to the student teaching experience. Offered every semester. One morning (8:00-11:30) or one afternoon (12:00-3:30) per week must be kept free of other courses for this professional laboratory experience. Pre-service teachers will be placed at the elementary or middle school levels. A letter grade is assigned to this one hour course. There is a fee of \$25.00.

**91. Professional Laboratory Experience 1 hour**

This professional laboratory experience is designed for students who transfer into the College and into the Education Department for the preparation of being certified at the junior high/middle/secondary school levels. Clinical and/or field experiences, comprising approximately 40 clock hours. Must be taken prior to the student teaching experience. Offered every semester. One morning (8:00-11:30) or one afternoon (12:00-3:30) per week must be kept free of other courses for this professional laboratory experience. Pre-service teachers will be placed at the middle or secondary school levels. A letter grade is assigned to this one hour course. There is a fee of \$25.00

**97.\* Professional Laboratory Experiences: Pre-Student Teaching 1 hour**

Field experiences comprising approximately 40 clock hours.

**Prerequisite:** 2.50 cumulative index.

**98.\* Student Teaching: Elementary 10 hours**

A semester's program of observation and teaching in an approved elementary school. For the grading system in EDC 98 see Pass/Not Pass option. To be taken with EDC 43.

**Prerequisite:** Teacher Education Committee approval; 2.50 cumulative index.

**99.\* Student Teaching: Secondary 10 hours**

A semester's program of observation and teaching in an approved middle or secondary school. For the grading system in EDC 99 see Pass/Not Pass option. To be taken with EDC 43.

**Prerequisite:** Teacher Education Committee approval; 2.50 cumulative index.



## ENGLISH

Majors in English-Literature include those who envision a career in teaching, either at the high school level or at the college level after graduate school; those who want to work in fields demanding skill in writing communication (advertising, public relations, journalism and the other media); and others who may want to expand their minds beyond the everyday world of their professional work day.

Majors in English - Creative Writing include those who wish seriously to pursue careers in creative writing, as well as those who intend to work in such fields as journalism or other media, and those who want writing to be a part of their lives.

Since only about two-thirds of college graduates, within ten years of graduation, are in fields related directly to their majors, it may be worthwhile to consider the study of English as one that can keep a person flexible enough intellectually to bend with the pressures of an uncertain future. No matter what our line of work, we always will need people who can communicate.

We strongly urge our students to study another language. This is not only for the enrichment of one's own intellect, but for insights into the nature of language that an English major should be aware of within the depth of his or her professional life.

### MINOR IN ENGLISH (18 credits)

Choose 6 credits from:

- 22 An Introduction to Poetry
- 23 An Introduction to Fiction
- 24 An Introduction to Drama

**ELECTIVES:** Any 12 credits from English, but no more than 6 credits from Creative Writing.

### MAJOR IN ENGLISH-CREATIVE WRITING (36 credits)

**REQUIRED:** 6 courses (18 credits)

- |                                    |                                 |
|------------------------------------|---------------------------------|
| COM 17 Communication in Mass Media | ENG 44 Creative Writing-Poetry  |
| ENG 30 The Essay                   | ENG 47 Grammar & Expression     |
| ENG 39 Creative Writing-Fiction    | ENG 56 Creative Writing-Feature |

Choose 6 credits from:

- 22 An Introduction to Poetry
- 23 An Introduction to Fiction
- 24 An Introduction to Drama

**ELECTIVES:** Any 12 credits from English.

### MAJOR IN ENGLISH - LITERATURE (36 credits)

**REQUIRED:** 1 course (3 credits)

- 45 Literary Criticism

Choose 6 credits from:

- 31 Seventeenth Century
- 32 The Romantic Age
- 33 The Victorian Age
- 34 The Twentieth Century

Choose 6 credits from:

- 35 The Age of Ideology & Revolution
- 36 The Gilded Age
- 37 The Modern Age
- 38 Contemporaries

Choose 6 credits from:

- 22 An Introduction to Poetry
- 23 An Introduction to Fiction
- 24 An Introduction to Drama

**ELECTIVES:** Any 15 credits from English courses numbered 30 and above, but no more than 6 credits from Creative Writing.

### Teacher Education Requirements:

Teaching major in English: ENG 43, 45, 46, 47, 48; 6 hours from ENG 35, 36, 37, 38 (always including at least 37 or 38); 6 hours from 31, 32, 33, 34 or 43; 9 hours of electives to complete the English major; C&TA 17; and either Journalism 21 or 22.

Teaching minor in English; ENG 46, 47, 48; 3 hours from 31, 32, 33, 34 or 43; 3 hours from 35, 36, 37, 38; and C&TA 17 and Journalism 21 or 22.

## COURSE DESCRIPTIONS

### 20. A Basic Course in Written Composition 3 hours

Student will write many short papers. Classroom instruction will emphasize clarity, organization, and thoroughness or development as well as conventional spelling and punctuation.

### 22. An Introduction to Poetry 3 hours

Extensive analytical reading of lyrics to promote appreciation of lyrical diction, motifs, metrics, forms, types, and structures, and also to learn the pertinent nomenclature.

### 23. An Introduction to Fiction 3 hours

An introductory study of such narrative techniques as plot development, characterization and point-of-view in fiction and related narrative modes. The course deals largely with the short story and is modern in its emphasis.

### 24. An Introduction to Drama 3 hours

An introductory course in the essentials of dramatic literature-plot, character, conflict, and theme. This course traces the development of Western civilization's drama and movements of modern drama such as realism, naturalism, expressionism. Since the Core Curriculum treats of ancient Greek drama, this course will emphasize modern drama.



**30. The Essay (Journalism 30)****3 hours**

A writing course in which the students will learn to recognize and to employ the variety of forms of the essay. Students will be required to read, analyze, and write a variety of essays.

**31-34. Periods of British Literature****3 hours each**

These period courses emphasize the major historical and literary movements of the time. At least one period course will be offered each year. The periods are:

31. Seventeenth Century and Neo-Classical Age, 1600-1770. Readings in the British poetic tradition from Donne to Pope, in Restoration drama and in prose fiction (e.g., Fielding).
32. The Romantic Age, 1780-1830. Readings of the major writers from Blake to Scott. Included for special consideration are Blake, Wordsworth, Coleridge, Austen, Byron, the Shelleys and Keats.
33. The Victorian Age, 1830-1890. Readings in the major writers from Tennyson to Hardy. Included for special consideration are Tennyson, Browning, Hopkins, the Brontes, Dickens, and Hardy (novels).
34. The Twentieth Century. 3 hours. Readings of English and Irish writers of this century. Included for consideration are poetry from Hardy to Eliot, drama from Shaw to Osborne, fiction from Joyce to Greene.

**35-38. American Literature****3 hours each**

A four semester survey of major writers in America. The four semesters are grouped in the following chronological sequence:

35. The Age of Ideology and Revolution to 1850. 3 hours. Readings of the major writers in America from Bradford to Melville. Included for study are such writers as Franklin, Irving, Hawthorne, Emerson and Thoreau.
36. The Gilded Age, 1850-1920. 3 hours. Readings of the major writers in America from Whitman to Dreiser. Included for study are such writers as Dickinson, Twain, James, Crane, Chopin and DuBois.
37. The Modern Age, 1920-1950. 3 hours. Readings of the major writers in America from Robinson to Wright. Included for study are such writers as Fitzgerald, Hemingway, Porter, Williams, Cummings, Hughes, Dos Passos and Faulkner.
38. Contemporaries, 1950 to today. 3 hours. Readings of the major writers in America today. Included for study are such writers as Roth, Baldwin, Updike, Tyler, and poets who seem to be particularly influential at the time the course is offered.

**39. Creative Writing-Fiction****3 hours**

A creative writing workshop in which students will write in a variety of fictional forms, critique each other's work, and read and discuss representative works by contemporary writers.

**42. The Novel****3 hours**

A study of the novel as a major literary form which cuts through national boundaries. The course will include novelists of the professor's choice such as Austen, Flaubert, Dostoyevsky, Joyce, Mann and Faulkner.

## **98 English**

### **43. Shakespeare 3 hours**

Reading in the Shakespearean corpus of tragedies and comedies. The sonnets are also included in the course, which emphasizes written critiques of the drama and poetry. (Required of all English-Education majors.)

### **44. Creative Writing-Poetry 3 hours**

A writing course in which the students will learn to recognize and employ a wide variety of poetic forms and techniques. Students will be required to read, analyze, and write a variety of poems.

### **45. Literary Criticism 3 hours**

A study of the nature, basic values, and techniques of literature as interpreted by various critics. Insight into principles, criteria, and method is deepened through selected readings. (Required of all English majors)

### **46. History of the English Language 3 hours**

A study of the historical patterns necessary for understanding the English language as it is spoken and written today. The growth and development from old English through Middle English, phonology and linguistic change in meaning and the value of words, and into usage in modern English are emphasized.

(Required of all English-Education majors.)

### **47. Grammar and Expression (Education 46) 3 hours**

A study of the nature of language that underlies the range of stylistic choices of expression in a variety of literary genres. Students will be expected to recognize basic sentence structures and the transformation of basic structures designed to achieve rhetorically and stylistically more effective writing. Students will be required to analyze as well as to write a variety of kinds of prose.

(Required of all English-Education majors.)

### **48. Advanced Writing 3 hours**

Advanced study of the major forms of writing: expository, persuasive, expressive, and creative. (Required of all English-Education majors)

### **55. Independent Study 1-3 hours**

### **56. Creative Writing-Feature Writing (Journalism 56) 3 hours**

A writing course in which students read and write a variety of newspaper and magazine feature articles. Students will learn how to select markets for free lance feature articles and how to prepare manuscripts for submission to prospective publishers.

### **58. Major Writers 3 hours**

A course of study in the major works of a significant world writer or groups of writers. In the past writers such as Chaucer, Milton, Dickens, O'Neill, Frost, Eliot, Mann, and Hardy have been given special study.

### **59. Special Studies in Literature 3 hours**

A course of study in a major literary topic. Some of the courses offered in the past have included Existentialism, Modern Poetry, The Russian Novel, Myth and



Philosophy, American Drama, African-American Literature, the Harlem Renaissance, American Radicalism, Philosophy and Tragedy.

### 90. Internship

3 hours

Available to qualified students. Participants will work in College-approved off-campus intern programs in publishing or editorial fields.

## ENTREPRENEURSHIP

Education in the discipline of Entrepreneurship is characterized by its multidisciplinary base. While it draws from the traditional business disciplines of marketing, management, accountancy, finance and information systems, it examines and studies associated disciplines in an integrative fashion. The discipline of Entrepreneurship shares the characteristics of a traditional *art* and a contemporary *science*; it demands the creativity of the divergent thinker and the precision of the convergent, educated business mind. The creative thinking and innovation taught and practiced in the discipline is fostered by establishing an environment in an educational setting that allows freedom of thought and problem solving in complex settings. It is clearly an applied discipline; conceived and mastered in the business world, and presented in a structured fashion in the classroom.

### MINOR IN ENTREPRENEURSHIP (21 credits)

REQUIRED: 5 courses (15 credits)

- ENT 23 Fundamentals of Entrepreneurship
- ENT 24 Entrepreneurial Research: State of the Art
- ACT 11 Principles of Accounting
- MGT 11 Principles of Management
- MKT 12 Principles of Marketing

Choose 6 credits from:

- ENT 33 Venture Finance
- ENT 34 Management of Family Enterprises
- ENT 43 Practicum in Entrepreneurship
- ENT 44 Entrepreneurial Policies & Strategies

### MAJOR IN ENTREPRENEURSHIP (61 credits)

PREREQUISITES: Common Body of Knowledge, 8 courses (25 credits)

- |                        |                                     |
|------------------------|-------------------------------------|
| ACT 11 Prin of Acct I  | ECN 23 Prin of Econ: Microeconomics |
| ACT 12 Prin of Acct II | ECN 24 Prin of Econ: Macroeconomics |
| MGT 11 Prin of Mgt     | ECN 28 Business & Econ Statistics   |
| MKT 12 Prin of Mkt     | FIN 23 Prin of Finance              |

REQUIRED: 12 COURSES (36 credits)

- ENT 23 Fundamentals of Entrepreneurship
- ENT 24 Entrepreneurial Research: State of the Art

## **100 Entrepreneurship**

ENT 33 Venture Finance

ENT 34 Management of Family Enterprises

ENT 43 Practicum in Ent.

ENT 44 Entrepreneurial Policies & Strategies

MKT 21 Sales Management

MGT 22 Human Resource Management

MGT 41 Managerial Decision-Making

MKT 36 Direct Response Marketing

ACT 45 Income Tax Accounting I

ACT 23 Business Law I

### **COURSE DESCRIPTIONS**

#### **23. Fundamentals of Entrepreneurship**

**3 hours**

Development and management of an entrepreneurial organization, including strategic planning, environmental scanning, examination of the barriers to entry, competitor analysis, business survival strategies and the development of the mature business. Examines the transition from entrepreneurial management to professional management. Distinguishes the entrepreneur from the innovative intrapreneur. Examines the research in self-employment.

#### **24. Entrepreneurial Research: State of the Art**

**3 hours**

Readings and research in the entrepreneurial revolution. An in-depth examination of the impact of entrepreneurial enterprises on traditional big business in the global economy. Examines case studies of the successful and failed entrepreneurial business as of the last decade. Investigates the research base of entrepreneurship, small business start-up and venture investment.

#### **33. Venture Finance**

**3 hours**

Equips entrepreneurs and managers with an understanding of the analytical framework and tools of monetary investment. Examines the role and requirements of capital investment in strategic marketing, production, operations and human resource management. Describes effective cash management policies, efficient cash flow, capitalization and liquidity in new and mature businesses.

#### **34. Management of Family Enterprises**

**3 hours**

The stages of the development of the prototypical family enterprise are presented and analyzed. Strategies for successful business development unique to single family ownership are explored. Maintenance of the sustained competitive advantage in a market of national and multi-national business ventures is studied. The role of the family business in the free enterprise and highly-regulated business marketplace is the focus of the course.

#### **43. Practicum in Entrepreneurship**

**3 hours**

Teams of students spend time in cooperative relationships with small, entrepreneurial businesses. Resources of the Small Business Development Center (SBDC) are used for team and individual placement opportunities. Students' intern experiences are geared toward risk-free involvement in real-world enterprises. Mentors selected for practical involvement; theory translated into practice. Students are required



to focus on multi-faceted aspects of the entire business, including personnel issues, resourcing issues, information systems, marketing and management problems. Minimum of 50 hours of field work required.

**44. Entrepreneurial Policies and Strategies 3 hours**

Capstone course on the integrated entrepreneurial strategy in business. Policies and theories of the entrepreneurial "mind-set" are examined. The course is based on case studies and is geared to take advantage of the Executive in Residence Program at SJC. Students are required to develop a "paper business" with an entrepreneurial and research foundation. A full business plan, development strategy, growth projections, market analysis acquired, market research, financial plan, strategic plan and business evaluation tools are required elements of this student project centered course.

**55. Independent Study 1-3 hours**

**59. Topics in Entrepreneurship 3 hours**

**90. Internship 3 hours**

Selected students in Entrepreneurship will be given three credit hours for completion of a summer internship period with a business firm. The student will be required to make a written report every two weeks on the activities that he or she has been involved in. A major paper will be submitted at the end of the internship covering different activities and projects in which the intern participated, along with suggestions that the student would like to make. Also, a one-hour presentation will be given to an appropriate class so that the student can share his or her experience with other students.

**GRADUATE COURSE DESCRIPTIONS**

**ENT 551. Concepts and Practices in Entrepreneurship**

A case study, research-oriented course in venture businesses and entrepreneurship. Advanced topics in the theory and practice of entrepreneurial behavior, including market analysis, cash management, business incubators, competitive strategy and information management. Business resource opportunities and support agencies in the region will be used extensively. **3 graduate credits**

**ENT 559. Selected Topics in Entrepreneurship**

A current issues course focused on business leaders in the 1990's. Topical issues in taxation, governmental regulation of business, entrepreneurial opportunities, franchising, small business development and business partnership law will be discussed.

The use of business mentors, corporate intrapreneurs and regional entrepreneurs will be central to the course. **3 graduate credits**

## FINANCE

Finance courses provide academic training in financial analysis and management and give the student a general foundation in the acquisition and control of the finances of the national and multinational corporation. The Finance major is designed for securing positions in institutions such as banks and investment firms, and the financial regulatory agencies of the federal and state governments.

### MINOR IN FINANCE (18 credits)

REQUIRED: 3 courses (9 credits)

23 Prin of Finance  
33 Corporation Finance I  
36 Investment Analysis

ELECTIVES: Any 9 credits in Finance.

### MAJOR IN FINANCE (55 credits)

REQUIRED: 8 courses from Common Body of Knowledge (25 credits)

ACT 11 Prin of Acct I	ECN 23 Prin of Econ: Microeconomics
ACT 12 Prin of Acct II	ECN 24 Prin of Econ: Macroeconomics
MGT 11 Prin of Mgt	ECN 28 Business & Econ Statistics
MKT 12 Prin of Mkt	FIN 23 Prin of Finance

REQUIRED: 10 courses (30 credits)

FIN 21 Personal/Family Finance	FIN 44 International Finance
FIN 33 Corporation Finance I	FIN 48 Problems of Financial Mgt
FIN 34 Corporation Finance II	FIN 50 Seminar in Finance
FIN 36 Investment Analysis	ECN 35 Money and Banking
FIN 43 The American Financial System	
FIN 40 Financial Analysis and Control (or ACT 31)	

### GROUP MAJOR IN FINANCE-ACCOUNTING (64 credits)

REQUIRED: 8 courses from Common Body of Knowledge (25 credits)

REQUIRED: 13 Courses in Finance and Accounting (39 credits)

FIN 33 Corp. Finance I	ACT 32 Intermediate Acct II
FIN 34 Corp. Finance II	ACT 33 Cost Accounting
FIN 36 Investment Analysis	ACT 35 Advanced Acct I
FIN 44 International Finance	ACT 36 Advanced Acct II
FIN 48 Problems of Financial Mgt	ACT 45 Income Tax Acct
FIN 50 Seminar in Finance	ACT 47 Auditing
ACT 31 Intermediate Acct I	



**GROUP MAJOR IN FINANCE-INFORMATION SYSTEMS (67 credits)**

**REQUIRED:** 8 courses from Common Body of Knowledge (25 credits)

**REQUIRED:** 13 Courses in Finance and Computer Science (39 credits)

FIN 33 Corp. Finance I	CMP 12 Computer Science II
FIN 34 Corp. Finance II	CMP 22 Data Structures
FIN 36 Investment Analysis	CMP 31 Applications Programming
FIN 40 Financial Analysis & Control	CMP 40 Information Systems
FIN 48 Problems of Financial Mgt.	CMP 41 Data Base Concepts
FIN 50 Seminar in Finance	CMP 44 Software Engineering
CMP 11 Computer Science I	

Choose three credits from:

CMP 21 Low Level Programming	CMP 35 Organ. of Programming Languages
CMP 33 Computer Organization	CMP 43 Design Analy. of Computer Algorithms
CMP 34 Operating Systems	

**TEACHER EDUCATION REQUIREMENTS:**

ACT 11-12, 23, or 24. MGT 10, 11, 22; MKT 12, 20; FIN 23; ECN 23-24, 28. CMP 07, 11-12. Elect 3 hours ACT 30 or above. College major in Management, Marketing, Accountancy, Finance, or Economics.

**COURSE DESCRIPTIONS****21. Personal/Family Finance****3 hours**

This course is designed to assist the young person or young family in making sound financial decisions relative to the principles and practices of: budgeting, installment purchasing, using saving institutions such as banks or saving and loan associations, the wise purchasing and financing of a home, purchasing life and automobile insurance, preparing a will, estate planning, and purchasing common stocks.

*No background in Accounting or Finance is required, and the course is open to all students regardless of their major field of study.*

**23. Principles of Finance****3 hours**

A fundamental course in finance. The course is presented so that the student may obtain an overview of corporate finance, investment theory and the American financial system. The theories and techniques of financial reasoning are stressed.

**33. Corporation Finance I****3 hours**

A study of the financial problems involved in organizing and managing the corporate finance function. Topics covered include the financial aspects of value, risk, financial analysis, management of fixed assets and capital budgeting. Problem solving supplements lectures.

**34. Corporation Finance II****3 hours**

A continuation of Finance 33. Part II includes the financial aspects of market efficiency, dividend policy, debt financing both long and short term, mergers, pensions

and financial planning, control and evaluation. Problem solving supplements lectures.

**36. Investment Analysis****3 hours**

This course is designed to familiarize the young person with techniques necessary to make sound financial decisions when contemplating the purchase of common stocks. Included are the treatment of investment objectives, investment institutions such as the organized stock exchanges and over the counter markets, sources of investment information, and the formation of appropriate investment policies for individuals and families. The traditional risk approach to investment analysis is used with the major semester project being an in-depth security analysis.

**38. Portfolio Theory****3 hours**

An analysis of current theory and practical construction of efficient portfolios. CAPM as well as other theories will be reviewed during this course. Combinations of assets and their associated risk-reward frontiers will be analyzed using computer assisted analysis where practical.

**40. Financial Analysis and Control****3 hours**

A study of the character and importance of the respective items in financial statements with critical analysis and interpretation of statements of business enterprises. With the knowledge gained from the foregoing, estimating income and expense, profit-planning and control, measuring operating efficiency, and enforcing budgets are reviewed.

**Prerequisite: Finance 33.**

**43. The American Financial System****3 hours**

A critical study dealing with the institutional framework of the economy by which savings and credit are made available to business, consumers, and the government, together with an analysis of the impact of the various flows of funds on the total economy. Among the institutions covered are: federal financial institutions, commercial banks, savings and loan associations, insurance companies, investment and pension funds, investment banking, and the money and capital markets.

**44. International Finance (Economics 44)****3 hours**

This course encompasses the financial problems which arise in the conduct of foreign trade and other international transactions. The topics covered include: international payment systems, foreign exchange controls, variation of exchange rates, methods of financing imports and exports, balance-of-payments analysis, international financial institutions and capital markets, and problems of international liquidity.

**47. Advanced Securities Analysis****3 hours**

Options on stocks, as well as Stock Index futures and their options, are analyzed, along with interest rate options in a risk reduction approach to investment Management. Computer applications are used throughout the course.

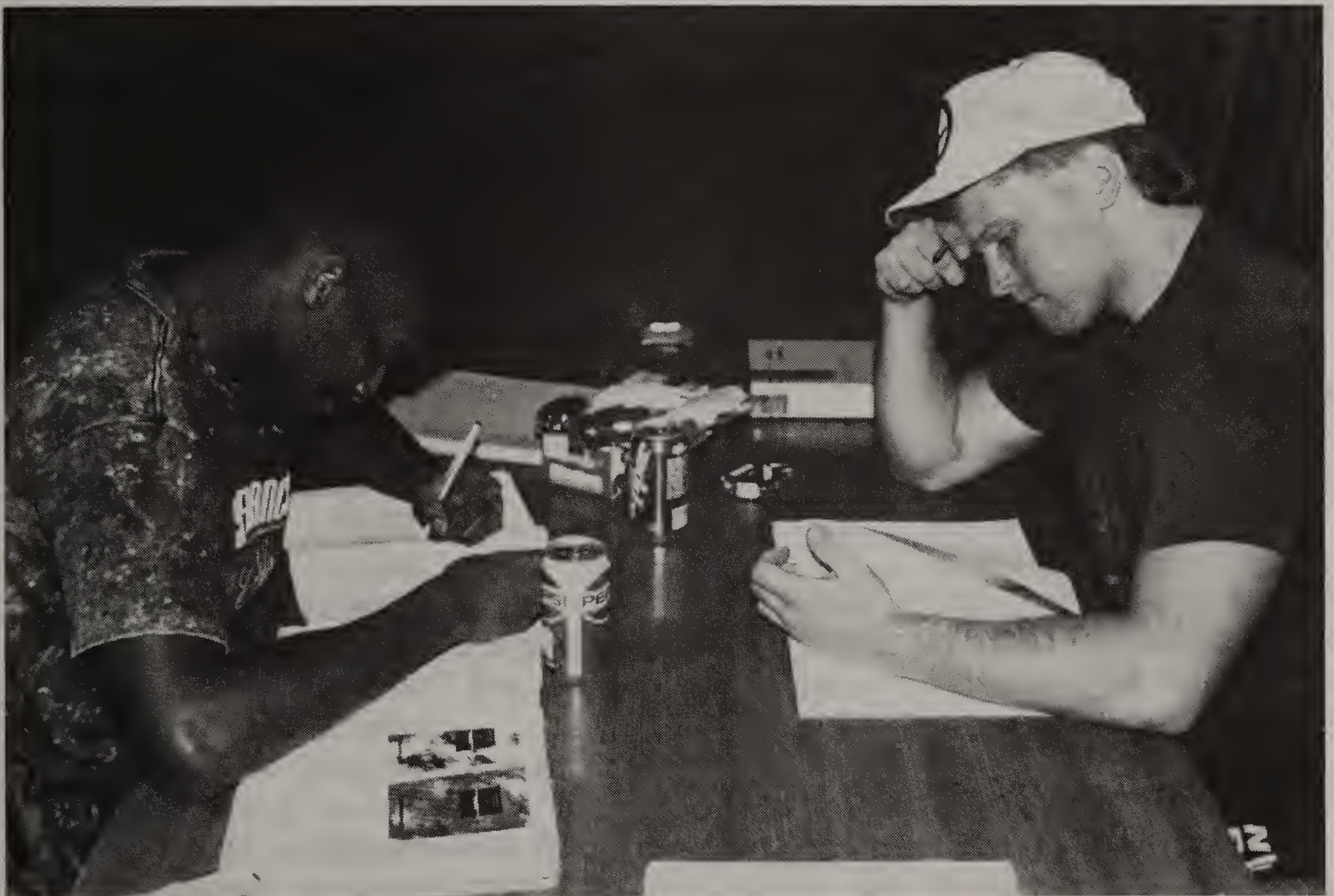
**48. Problems of Financial Management****3 hours**

This course presents a series of comprehensive financial problems by which it is intended to perfect the student's ability to utilize the methods and techniques of financial analysis and management acquired in previous courses. The case method is used throughout the semester.



**50. Seminar in Finance****3 hours**

A general seminar which includes financial problems peculiar to business finance, investment management, and bank management. The content depends on current developments in finance. In general, financial problems are examined both from the viewpoint of business management and that of the economic system. The ethical-historical approach is utilized.

**55. Independent Study****1-3 hours**

## FOREIGN LANGUAGES

Foreign Language courses are designed to fulfill these general aims: (1) to provide the student with a basic knowledge of modern and classical language; (2) to offer through the study of language an insight into and an appreciation of the literature and culture of other peoples. The study of Foreign Language provides the student with the basic skills in a language-namely, the ability to read, write and speak modern languages and to read and write a classical language-in preparation for entrance into graduate school, theological seminaries and the teaching profession.

### MINOR IN FRENCH, GERMAN, LATIN, SPANISH (18 credits)

ELECTIVES: Any 18 credits from one language.

### TEACHER EDUCATION REQUIREMENTS:

Teaching minor in French: French 21-22, 31-32, 35-36, 49, 55.

Teaching minor in German: German 21-22, 26, 31, 32, 33-34, 55.

Teaching minor in Spanish: Spanish 21-22, 31, 32, 35, 36, 41, 42.

## COURSE DESCRIPTIONS

### FRENCH

#### 11-12 Elementary French

6 hours

This introductory course insists on pronunciation, vocabulary building, free conversation, and structural analysis. Development in speaking, writing, and reading is encouraged by emphasis on aural comprehension and free conversation. Dialogue between students is carried on in class.

#### 21-22. Intermediate French

6 hours

The thorough presentation of grammar is aimed at increasing the student's ability to understand and speak French. Modern prose readings from select literary works are done, with discussion in French. Application of grammatical usage is made in classroom dialogues. Training in oral and written expression is intensive.

#### 31-32. Advanced Composition and Conversation

6 hours

Correct, idiomatic and effective writing and speaking in French. Written and oral communication pertinent to commercial situations will be emphasized. The class is conducted primarily in French.

**Prerequisite:** French 22 or equivalent.

#### 35. French Literature I

3 hours

A survey of seventeenth and eighteenth century French literature, to be read in French.

**Prerequisite:** French 12 or above.



- 36. French Literature II** 3 hours  
A survey of nineteenth and twentieth century French literature, to be read in French.  
**Prerequisite: French 12 or above.**

- 49. French Civilization** 3 hours  
This course deals with French religion, philosophy, history, literature, art, and music. Knowledge of the French language is required.

- 55. Independent Study** 1-3 hours

## GERMAN

- 11-12. Introductory German** 6 hours  
Exercises in pronunciation, essentials of grammar, and functional vocabulary. Intensive reading from graded texts.

- 21-22. Intermediate German** 6 hours  
Review of grammar. Practice in reading and writing. Required selections from modern works in the narrative, dramatic, and scientific styles.

- 26. Scientific German** 3 hours  
An intensive reading for students majoring in science. This course may be substituted for German 22.

- 31. Advanced Composition** 3 hours  
Correct, idiomatic and effective writing in German. Translations are assigned, as well as topics for individual creative writing.

- 32. Advanced Conversation** 3 hours  
Systematic and intensive German oral practice. Topics are assigned for individual presentation and group discussion. The class is conducted in German and audio-visual aids are used to perfect pronunciation.

- 33. German Civilization** 3 hours  
A survey of the history and culture of the German speaking countries in Europe from the beginnings to the present.

- 34. German Literature** 3 hours  
A survey of German literature with selections from classical and contemporary German literature to be read in German.

## LATIN

- 11-12. Introductory Latin** 6 hours  
Latin 11 is a study of fundamentals aimed at an early acquisition of a reading knowledge of Latin. Latin 12 is a continuation of Latin 11.

**21-22. Intermediate Latin** 6 hours  
Latin 21 aims to develop the student's ability to recognize grammatical usage through composition and selected readings of moderate difficulty. Latin 22 is a continuation of Latin 21.

**31. Medieval Latin** 3 hours  
An introduction to the grammar and syntax of Medieval Latin, with readings from medieval literature.  
**Prerequisite: Latin 22.**

**33. Vergil I** 3 hours  
A continuation of work on Latin metrics begun in Latin 33, a thorough reading of Book II of the *Aeneid*, and selections from subsequent books.

**34. Vergil II** 3 hours  
A continuation of work on Latin metrics begun in Latin 33, a thorough reading of Book II of the *Aeneid*, and selections from subsequent books.

**55. Independent Study** 1-3 hours

## SPANISH

**11-12 Introductory Spanish** 6 hours  
Drill in the basic grammatical rules. Simultaneous development of the four ends of language study: reading, aural comprehension, writing and speaking.

**21-22. Intermediate Spanish** 6 hours  
Review of basic grammatical forms, plus advanced grammar and idiomatic usage. Reading of selected texts and written reports are required.

**31. Spanish and Spanish-American Civilization and Culture** 3 hours  
Readings and discussions of the history, civilizations, and art of the various Spanish-speaking countries of the world. Knowledge of the Spanish language is required.

**32. Advanced Composition and Conversation** 3 hours  
A major concentration in the practical application of business while reinforcing spoken and written expression of Spanish. Basic training in the language is a prerequisite.

**35-36. Spanish Literature** 6 hours  
Survey of Spanish literature from its beginnings to modern times. Selected readings from the most important authors. Written and oral reports are required.

**41-42. Spanish-American Literature** 6 hours  
A survey of Spanish American literature with emphasis on the nineteenth and twentieth centuries. Selected readings from representative authors from various countries.



**GEOLOGY**

Geology courses are designed to meet the following objectives: 1. expose the student to the multitude of natural phenomena that embrace the Earth, and in so doing broaden the appreciation and understanding of this finite environmental system; 2. to permit the student the opportunity to major in geobiology (paleontology-oceanography), or geology-chemistry either as a career or to prepare for graduate study; 3. to provide interested students an opportunity to concentrate in Earth Science as a teaching major or minor; 4. make available a minor sequence for students interested in geoscience.

**MINOR IN GEOLOGY (18 credits)**

**REQUIRED:** 2 courses (6 credits)

11 Earth Science

12 Historical Geology

**ELECTIVES:** Any 12 credits from Geology

**GROUP MAJOR IN GEOBIOLOGY (58 credits)**

**REQUIRED:** 15 courses (55 credits)

GEO 11 Earth Science

GEO 12 Historical Geology

GEO 33 Mineralogy

GEO 36 Field Methods & Mapping

GEO 41 Invertebrate Paleontology

GEO 44 Stratigraphy & Sedimentation

BIO 11-12 Intro to Biology

BIO 37 Genetics

BIO 25 Comp. Vertebrate Anatomy

BIO 32 Invertebrate Zoology

BIO 33 Ecology & Conservation of  
Natural Resources

CHE 11-12 General Chem I & II

CMP 11 Computer Science I

Choose 3 credits from:

MTH 07 Basic Algebraic Skills

MTH 25 Calculus I

**GROUP MAJOR IN GEOLOGY-CHEMISTRY (59 credits)**

**REQUIRED:** 14 courses (47 credits)

GEO 11 Earth Science

GEO 12 Historical Geology

GEO 43 Structural Geology

GEO 44 Stratigraphy & Sedimentation

GEO 33 Mineralogy

CMP 01 Intro to Computers

CMP 02 Intro to Spreadsheet & Business Graphics

CMP 03 Intro to BASIC programming

CMP 04 Intro to Database Mgt & Data Communications

CHE 33 Organic Chem I

PHY 21 Mechanics & Heat

PHY 22 Optics, Elect. &  
Atomic Structure

CHE 45-46 Physical Chem

CHE 11-12 Gen. Chem I & II

## **110 Geology**

Choose 6 credits from:

07 Basic Algebraic Skills

25 Calculus I

26 Calculus II

ELECTIVES: Any 6 credits in Geology.

### **TEACHER EDUCATION REQUIREMENTS:**

Teaching major in Earth Science: Biol 01 and 33; Math 25, 26; Geology 11, 12, 24, 25, 26, 28, 32 and 6 hours chosen from the additional geology offerings. A supporting area in Biology (11-12, 25, 37). Chemistry (11-12, 31-32) or Physics (21, 22, 31, 3 hours elective) must also be included.

Teaching minor in Earth Science: Geology 11, 12, 24, 25, 26 and 9 hours elect from 32, 33, 35, 36, 39, 41, 43.

### **COURSE DESCRIPTIONS**

#### **11. Earth Science**

**3 hours**

This course introduces the student to earth studies through a study of the following topics: rock weathering, mass wasting, sculpture of lands by streams, subsurface water, soils, glaciation, eolian processes, marine erosion and deposition, volcanism, deformation of the earth's crust, earthquakes, the common minerals and rocks, topographic maps. Two lectures and one laboratory period each week.

#### **12. Historical Geology**

**3 hours**

A study of the geochronology through the following topics: earth history recorded in the rocks, the constant change of living things, the scale of time, the Precambrian, Paleozoic, Mesozoic, Cenozoic world, fossils, geologic maps and charts. Two lectures and one laboratory period each week.

**Prerequisite: Earth Science 11.**

#### **24. Anthropological Geography**

**3 hours**

A conceptual course tracing the evolution of man and races, the character and arrangement over the earth of the physical-biotic systems that constitute the natural surroundings of man and concepts evaluating the significance to man of the natural surroundings. Offered every winter of odd-numbered years.

#### **25. Astronomy**

**3 hours**

A non-mathematical introduction to astronomy including the history of astronomy, determination of location using celestial bodies, and main features of the known universe. Also an emphasis on tools used in astronomy and speculation concerning the origin of planets, stars, and galaxies. Offered every fall of even-numbered years.

#### **26. Meteorology**

**3 hours**

An introduction to meteorology with emphasis on the vertical structure of the atmosphere, cloud formations, general air circulation, air mass exchange, and various atmospheric and weather processes. Offered every winter of even-numbered years.



**28. Man and His Environment 3 hours**

The treatment of contemporary concepts of analyzing the problems and characteristics of the environment. Discussion of current literature from various pertinent disciplines is emphasized. Offered every winter of odd-numbered years.

**32. Economic Geography 3 hours**

A study of the principal economic and commercial regions of the Earth. The emphasis of the course is placed on agriculture, water resources, manufacturing, and extractive (mining) centers. There is also a general presentation of the culture, political, and social impact on the economic enclaves. The course is designed to meet the interdisciplinary needs.

**Prerequisite:** Geology 11 is desirable, but not required.

**33. Mineralogy 4 hours**

A course dealing with physical, chemical, descriptive, economic, and determinative mineralogy, and the fundamentals of crystallography. Two lectures and two laboratory periods each week.

**Prerequisite:** Chemistry 11, 12 or consent of Instructor.

**34. Optical Mineralogy 3 hours**

Theory and practice of determining the optical properties of minerals with the aid of the petrographic microscope. One lecture and two laboratory periods per week. Offered every fall of odd-numbered years.

**Prerequisite:** Geology 12, 33.

**35. Geomorphology 3 hours**

The study of the land forms produced by various geologic processes on the surface of the earth; the use of land forms in the determination of geologic history. Two lectures and one laboratory period each week.

**Prerequisite:** Geology 12

**36. Field Methods and Mapping 3 hours**

This course treats the use of the transit theodolite, plane table and alidade, Brunton compass, the other instruments used in field mapping and problems. Offered in the spring session.

**Prerequisite:** Geology 11, 12 or consent of Instructor.

**37. Aerial Photographic Interpretation 2 hours**

This course embraces the evaluation and depiction of geologic phenomena, vegetal distribution, drainage patterns, and cultural features. Two two-hour laboratory periods per week. Offered every winter of even-numbered years.

**39. Petrology 3 hours**

A study of the formation, occurrence, and characteristics of the common rocks together with their field identification. Two lectures and one laboratory period each week. Offered every winter of even-numbered years.

**41. Invertebrate Paleontology 4 hours**

Morphology, classification, geologic significance of fossils: special emphasis on the study of index fossils of North America. Three lectures and one laboratory period each

## **112 Geology**

week. Offered every fall of odd-numbered years.

**Prerequisite: Geology 12.**

### **43. Structural Geology**

**4 hours**

A study of the framework of the earth's crust, the deformation of the earth, its causes and effects. Three lectures and one laboratory period each week. Offered every fall of even-numbered years.

**Prerequisite: Geology 12 and Math 7.**

### **44. Stratigraphy and Sedimentation**

**4 hours**

Methods of description, classification, interpretation, and correlation of rock units. Laboratory exercises are designed to aid in understanding stratigraphic problems, fundamentals of sediment study methods, paleo-environments, and facies changes. Two lectures and two laboratory periods each week. Offered every winter of odd-numbered years.

**Prerequisites: Geology 12, 39, 41.**

### **55. Independent Study**

**1-3 hours**

### **59. Environmental Systems**

**3 hours**

This course is conducted as a seminar with faculty from Biology and Earth Science Departments sharing in the selection of specific topics to be covered. It is intended to provide the student with current information on governmental agencies and legislation concerned with the environment. Further, considerable time will be spent on causes and cures of environmental destruction from an engineering point of view. Offered every fall of even-numbered years.



**HISTORY**

History courses can enlarge the student's intellectual horizon by an ordered, meaningful, and up-to-date inquiry into man's past. This includes not only courses in United States and European history, but also introductions into several areas of non-Western history and into the basic skills of historical research itself. The major in history prepares the student for graduate studies, entry into law school, and teaching in secondary schools, as well as providing a broad, cultural basis for a later career in various fields of business or the arts.

**MINOR IN HISTORY (18 credits)**

**ELECTIVES:** Any 18 credits in History.

**MAJOR IN HISTORY (36 credits)**

**REQUIRED:** 3 courses (9 credits)

23 United States History I

24 United States History II

25 Modern Europe

Choose 6 credits from:

32 Ancient Greece & Rome

45 Renaissance & Reformation

47 Revolutionary Europe, 1789-1871

48 Europe, 1890-1945

49 The Cold War-Since 1945

Choose 3 credits from:

40 History of Latin America

41 History of Modern E. Asia

42 Modern Middle East

43 History of Russia I

44 History of Russia II

Choose 3 credits from:

30 American Civil War

33 The American Frontier

34 Jeffersonian/Jacksonian

36 Recent America

37 American Foreign Relations

38 American Economic History

39 Colonial America

**ELECTIVES:** Any 15 credits in History. (POL 44 International Relations included.)

**GROUP MAJOR IN INTERNATIONAL STUDIES (87 credits)**

**REQUIRED:** 5 courses (15 credits)

PHI 20 Philosophy of Human Nature

ECN 23 Prin of Econ: Microeconomics

POL 22 Comparative Government

REL 53 Comparative Religion

SOC 12 Culture & Society

Choose 6 credits from:

PHI 42 Modern Political Philosophy

REL 30 Christianity in History

REL 31 Worship, Belief, and Praxis

**114 History**

Choose 27 credits from:

- |                                  |                                 |
|----------------------------------|---------------------------------|
| MGT 39 International Business    | POL 33 Political Parties        |
| MKT 44 International Marketing   | POL 43 International Law        |
| ECN 24 Prin of Economics         | POL 44 International Relations  |
| ECN 39 Comp. Econ Systems        | SOC 34 The Urban Community      |
| ECN 44 International Finance     | SOC 37 Law and Society          |
| GEO 24 Anthropological Geography | SOC 40 Sex, Gender, and Culture |
| GEO 32 Economic Geography        | SOC 44 Collective Action        |

Choose any 15 credits from:

- |                                    |                                      |
|------------------------------------|--------------------------------------|
| HST 37 American Foreign Relations  | ENG 24 Intro to Drama                |
| HST 40 History of Latin America    | ENG 42 Creative Writing - Poetry     |
| HST 41 History of Modern East Asia | ENG 59 Special Studies in Literature |
| HST 42 Modern Middle East          | FRN 36 French Literature II          |
| HST 43 History of Russia I         | FRN 49 French Civilization           |
| HST 44 History of Russia II        | GER 33 German Civilization           |
| HST 49 The Cold War                | SPN 31 Spanish & Span-Amer Culture   |

ELECTIVES: 12 credits from any one foreign language.

ELECTIVES: 9 credits from any area.

**TEACHING EDUCATION REQUIREMENTS:**

Teaching major in social studies with world and American history as primary areas and a supporting area in government: Hist 23, 24, 25; elect 12 hours from 33, 34, 36, 37, 38, 39, 40; elect 6 hours from 32, 41, 42, 43, 44, 45, 47, 48, 49; Political Science 21, 22 and six additional hours in political science; and the college major in history.

**COURSE DESCRIPTIONS**

**23-24. United States History, I-II 6 hours**

A study of American civilization from its European origins until 1865 in the first semester; its development since 1865 until the present is considered in the second semester.

**25. Modern Europe 3 hours**

A general survey of European history and civilization from 1500 to the present. Offered in alternate years.

**30. American Civil War 3 hours**

Traces the emerging political and moral crises that led to the conflict. Secession and military developments will be examined, along with the political background and life on the home fronts.

**31. Research methods in the Social Sciences 3 hours**  
(Soc. 31; Pol. Sci. 31; Psych 31)

An introduction to the qualitative and quantitative methods employed by social



scientists. Emphasis is given to alternative choices of design, sampling techniques, instruments and appropriate interpretive and analytical procedures encountered in process of social scientific research.

### **32. Ancient Greece and Rome** **3 hours**

A survey of ancient history in the Mediterranean area with principal attention given to the institutions and achievements of Greece and Rome. Offered in alternate years.

### **33. The American Frontier** **3 hours**

The history of the American frontier with emphasis upon westward expansion, continuous settlement, and the import of the frontier experience on American cultural and political ideas and institutions. Offered in alternate years.

### **34. Jeffersonian/Jacksonian America** **3 hours**

A study of America in the formative years after independence, with special emphasis on Jefferson and Jackson and American life during their administrations. Offered in alternate years.

### **36. Recent America** **3 hours**

American political and social history is stressed from 1945 through the Reagan Presidency. Offered in alternate years.

### **37. American Foreign Relations (Pol Sci 32)** **3 hours**

A survey of United States relations with Europe, Latin America, Russia, and the Orient, tracing the origins and development of our foreign policy and the history of the men who framed it. Offered in alternate years.

### **38. American Economics History (Economics 42)** **3 hours**

Included are the physical environment of American economic development, colonization, continental expansion and industrialism, the economy during war time, prosperity, and depression.

### **39. Colonial America** **3 hours**

The social and religious history of colonial Americans is stressed the Euro-Indian exchanges to the American Revolution. Offered in alternate years.

### **40. History of Latin America** **3 hours**

After some consideration of the colonial backgrounds, stress is placed on the major nations of Latin America since the Wars of Liberation to the present. Offered in alternate years.

### **41. History of Modern East Asia** **3 hours**

The Western impact on the Far East and the Eastern response in the 19th and 20th centuries. International relations are appropriately emphasized, but full attention is given to the more fundamental factors of Chinese and Japanese institutions and ideas.

### **42. Modern Middle East** **3 hours**

A survey of the major developments in the Middle Eastern countries between Libya in the West and Iran in the East with a major emphasis on late 19th and 20th century

trends.

**43-44. History of Russia I-II****6 hours**

The origins and growth of the Russian people and institutions from the eighth century to the present. Offered in alternate years.

**45. Renaissance and Reformation****3 hours**

Emerging modern Europe between about 1450 and 1648; the rise of national monarchies, the commercial revolution, the Renaissance, and the religious reformations.

**46. Early Modern Europe, 1600-1789****3 hours**

A survey of the major developments of the 17th and 18th centuries from the age of Bacon and Descartes and Henry IV of France through the Thirty Years War and the Treaty of Westphalia, the age of Louis XIV, the emergence of a European state system, and the Scientific Revolution and the Enlightenment.

**47. Revolutionary Europe, 1789-1871****3 hours**

The history of Europe from the French Revolution through the unifications of Germany and Italy.

**48. Europe, 1890-1945****3 hours**

The decline of Europe from its overwhelming world dominance in the late 19th century through its almost self-destruction in the two World Wars. The rise of the dictatorships and the Western democracies' struggle for survival are stressed. Offered in alternate years.

**49. The Cold War--Since 1945 (Pol Sci 49)****3 hours**

The major European developments since World War II. The rise of the U.S.-Soviet competition for world-wide supremacy, with special stress on its implications for Europe. Post-war European reconstruction and movements toward European unity are treated. Offered in alternate years.

**54. Social Science Seminar****3 hours**

Intensive consideration of a problem or issue of interest to social scientists. This is an interdisciplinary course in which students interact with faculty and students from other departments in the social sciences and undertake a research project utilizing the methods and perspectives found in their own major discipline. For upper-level students. By invitation only.

**55. Independent Study****1-3 hours****59. Topics in History****3 hours**

Based on student interest and current trends and needs, the Department offers a number of topics and eras, for example: History of Africa, the American Revolution, and the Later Middle Ages.



## JOURNALISM

The Journalism minor is appropriate with any major and should be given consideration by students who wish to pursue careers in writing, reporting and editing for the print or broadcast media. Special consideration should be given by secondary education minors who would like preparation to supervise a high school newspaper.

The minor in Journalism stresses communication skills in newspaper writing, editing and Macintosh/Pagemaker desktop publishing. Coursework in Journalism ethics and/or Media and the Law are also requirements for a Journalism minor. Six hours of electives from Communications in mass Media, Photojournalism, Newspaper Editorial/Management Practices & Policies, or The Essay (English 30) complete the program.

Journalism minors are encouraged to gain experience working on *Stuff*, the award-winning student newspaper. Internships may be available to Journalism minors with an overall GPA of 3.00 in their senior year.

The Journalism minor is supervised by the Department of English.

### MINOR IN JOURNALISM (18 credits)

**REQUIRED:** 3 courses (9 credits)

- 21 Introduction to Newspaper Writing, Reporting & Editing
- 22 Basic Design for Newspapers & Other Publications
- 56 Feature Writing

Choose 6 credits from:

- 17 Communication in Mass Media
- 23 Photojournalism
- 31 Newspaper Editorial/Management
- 30 The Essay
- 90 Internship

Choose 3 credits from:

- 28 Journalism Ethics
- 58 Media & the Law

### COURSE DESCRIPTIONS

#### 17. Communications in Mass Media (C&TA 17)

**3 hours**

A study of the forms of communication involved in the mass media (print, radio, television and film). Basic theories of Message, Receiver, Channel, and Sender are applied in classroom exercises through oral reports, surveys and research. (Required of all English-Education majors.)

#### 21. Introduction to Newspaper Writing, Reporting, & Editing

**3 hours**

Practice in news style writing, gathering information, and editing for publication. Major emphasis on style manuals and grammar, plus discussion of feature, column and editorial writing styles as they pertain to the College's biweekly newspaper.

#### 22. Basic Design for Newspapers and Other Publications

**3 hours**

Practice in type selection, copyfitting, photo and illustration selection and use, paste-up skills and printing processes, plus introduction to MacIntosh/Pagemaker desktop publishing in connection with the College newspaper.

**23. Photojournalism (C&TA 20) 3 hours**

The use of cameras and films and the developing and printing of black and white photographs used in journalism. Planning, taking and editing news pictures; writing cutlines and captions; the technique of the picture story.

**28. Journalism Ethics (C&TA 30) 3 hours**

A comprehensive study of legal and ethical considerations inherent to a free press in a free society. More than 200 case histories plus a series of guest speakers add depth and insight to a course that probes ethical codes and value systems in the mass news media. Special emphasis is given not only to how the press functions, but to why it functions as it does.

**31. Newspaper Editorial/Management Practices & Policies 3 hours**

A practical overview of professional practices and corresponding policies in the gathering, writing, and editing of news.

**55. Independent Study 1-3 hours**

**56. Feature Writing (English 56) 3 hours**

A writing course in which students read and write a variety of newspaper and magazine feature articles. Students will learn how to select markets for free lance feature articles and how to prepare manuscripts for submissions to prospective publishers.

**58. Media Law (C&TA 58) 3 hours**

Journalism Minors may take the following two courses with the consent of the departmental supervisor and an overall minimum GPA of 3.00

**90. Internship 3 hours**

Available to qualified students. Participants will work in College-approved off-campus intern programs in publishing or editorial fields.



## MANAGEMENT

The Management curriculum at Saint Joseph's College emphasizes the 'Art and Science' of management. It involves the coordination of human and physical resources toward a set of objectives or goals, the aspects of getting things done through others and the utilization of contemporary models, techniques and tools that bring about effective and efficient performance. Therefore, the student who elects to major or minor in management will be preparing to attain a position of responsibility in a wide variety of profit or not-for-profit organizations. Students wishing to prepare for a career in International Business should consider this group major. It embodies not only the commerce core for business, but draws on management, marketing, and international studies. A broad cultural awareness, a global perspective, a basic managerial knowledge and skills make this program attractive for students contemplating transnational organizations as their career objective. Note that competency in a foreign language is a requirement for this major.

### ASSOCIATE OF SCIENCE DEGREE IN BUSINESS-INFORMATION MANAGEMENT (66 credits)

REQUIRED: Core 1, 2, 3, 4 (24 credits)

REQUIRED: 12 courses (36 credits)

ACT 11 Prin of Accounting I	CMP 1,2,3 Intro to Computer/Spreadsheet
ACT 12 Prin of Accounting II	CMP 11 Computer Science I
MGT 11 Prin of Management	CMP 40 Information Systems
MKT 12 Prin of Marketing	CMP 25 Advanced Computer Applications
MGT 10 Business Software	FIN 23 Prin of Finance
MGT 25 Adv Com Apps	
MGT 40 Information Systems	

Choose 3 credits from:

CMP 12 Computer Science II  
CMP 41 Data Base Concepts

Choose 3 credits from:

ECN 23 Prin of Econ: Microeconomics  
ECN 28 Bus & Econ Statistics

### MINOR IN MANAGEMENT (21 credits)

REQUIRED: 3 Courses (9 Credits)

ACT 11 Principles of Accounting I  
MGT 11 Principles of Management  
MKT 12 Principles of Marketing

ELECTIVES: Any 3 Courses (9 Credits) from Management and Marketing

**MAJOR IN MANAGEMENT (55 credits)**

**REQUIRED:** 8 Courses, The Common Body of Knowledge in Business (25 Credits)

ACT 11 Prin of Acct I	ECN 23 Prin of Econ: Microeconomics
ACT 12 Prin of Acct II	ECN 24 Prin of Econ: Macroeconomics
MGT 11 Prin of Management	ECN 28 Bus & Econ Statistics
MKT 12 Prin of Marketing	FIN 23 Prin of Finance

**REQUIRED:** 8 Courses (24 Credits)

MGT 22 Human Resource Management	MKT 21 Sales Management
MGT 35 Operations Management	MKT 32 Marketing Research
MGT 41 Managerial Decision-Making	MKT 43 Marketing Mgt.
MGT 42 Seminar in Admin. Policy	

**REQUIRED:**

MTH 8 or higher level math course excluding Math 12.

**ELECTIVES:** Any 3 courses (9 Credits) from Entrepreneurship, Management or Marketing.

**GROUP MAJOR IN INTERNATIONAL BUSINESS (67 credits)**

**REQUIRED:** The Common Body of Knowledge in Business (8 courses, 25 credits).

**REQUIRED:** 10 courses (42 credits)

MKT 21 Sales Management	MGT 42 Seminar in Admin. Policy
MKT 31 Advertising	MKT 43 Marketing Management
MKT 32 Marketing Research	MKT 44 International Marketing
MGT 39 International Business & Mgt	ECN 39 Digital Elements
MGT 41 Managerial Decision-Making	FIN 44 International Finance

Choose 3 courses (9 credits) from the following:

Either GEO 24 Anthro. Geology or GEO 32 Mineralogy  
Either POL 22 Comp. Gov't or POL 43 International Law & Organization  
Either PSY 10 Gen Psych or SOC 12 Culture & Society

**ELECTIVE:** Any 3 credit course.

**NOTE:** Competency in a foreign language at the intermediate level is required for the group major in International Business.

**GROUP MAJOR IN MANAGEMENT/MARKETING-  
INFORMATION SYSTEMS (70 credits)**

**REQUIRED:** The Common Body of Knowledge in Business (25 credits).

**REQUIRED:** 14 courses (42 credits)

CMP 11 Computer Science I	ACT 33 Cost Accounting
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CMP 12 Computer Science II  
 CMP 22 Data Structures  
 CMP 25 Adv. Comp. Apps  
 CMP 31 Apps. Programming  
 CMP 40 Information Systems  
 CMP 41 Data Base Concepts

ACT 34 Advanced Cost Accounting  
 MGT 35 Operations Management  
 MGT 41 Managerial Decision-Making  
 MGT 42 Seminar in Admin. Policy  
 MKT 21 Sales Management  
 MKT 32 Marketing Research

**ELECTIVE:** Any 3 credits from Computer Science.

**TEACHER EDUCATION REQUIREMENTS:**

ACT 11-12, 23, or 24; MGT 10, 11, 22; MKT 12, 20; FIN 23; ECN 23-24, 28. CMP 07, 11-12. Elect 3 hours ACT 30 or above. College major in Management, Marketing, Accountancy, Finance, or Economics.

**COURSE DESCRIPTIONS**

**10. Business Software 3 hours**  
 An integrated 3-module course containing and introduction to computer hardware and software, with emphasis on MS-DOS fundamentals and word processing. Spreadsheet and business graphics with Lotus 1-2-3 are covered in the second module. Finally, database management and data communication in a networked environment are treated in the third module.

**11. Principles of Management 3 hours**  
 The purpose of this course is to present a carefully organized system of concepts by which the basic meaning and the universal principles of management can be grasped. This course is limited to a treatment of that body of fundamental principles which underlies all management regardless of type or size of business. A study of the structure of industry in the U.S., the objectives and means of a business enterprise, the functions of business, the environment of a business, the purpose and methods of management, administrative decision making and functions of management.

**20. Organizational Communication 3 hours**  
 An overview of the process of communication within organizations. Specifically, attention will be given to the functional and cultural perspective of organizational communication. Course content includes a discussion of informational flow, vertical and horizontal communication, linking pins, communication climate, systems theory, story-telling, and communication principles and applying them to common organizational situations.

**22. Human Resource Management 3 hours**  
 An introduction to management oriented approaches to the managing people in organizations. Major topics include: recruitment selection, training, motivation, collective-bargaining, appraisal systems, compensation, employee benefits and services, organizational communications considered from an organizational perspective.

**25. Advanced Computer Applications (CS25) 3 hours**  
 This course provides the student with the opportunity to apply computer software packages to appropriate projects. Software packages may include spreadsheets,



## **122 Management**

graphics, database management, desk top publishing, communications and project management. The emphasis will be on applying the software packages to the management of information and problem solving in business.

**Prerequisite:** CS 10, or CS 11, or consent of instructor.

### **28. Business and Economic Statistics (Economics 28) 4 hours**

An introduction to the fundamentals of modern statistics. Topics to be considered include the following: descriptive statistics, frequency distributions, measure of location, measure of variation, probability and decision-making problems of estimation and tests of hypotheses, linear regression, correlation, and time series analysis. Emphasis on the interpretation and use of statistical analysis in business and economic problems is integrated with an introduction to state-of-the-art computer software designed to provide relevant statistical calculations.

**Prerequisite:** Math 8 or a higher level math course, not math 12.

### **30. Small Business Management 3 hours**

This course is aimed at the student interested in starting and operating his own small business. It will emphasize those problem areas axiomatic of small enterprises rather than large corporations. Materials, films and lectures from the Small Business Administration will be used extensively. (Spring session only)

### **33. Principles of Insurance 3 hours**

Assuming no prior knowledge of insurance, this course is aimed at the student interested in the area of insurance, either for personal use or career possibilities. It will emphasize life insurance, health insurance, major property and liability insurance contracts. (Spring session only)

### **35. Production/Operations Management 3 hours**

The study of the fundamentals of the functional areas in production/operations. The decision making process as related to product planning, demand, forecasting, production/inventory, scheduling and control, purchasing, quality control and improvement, productivity and control and maintenance. The essentials of qualitative analysis will be employed to facilitate decision making.

**Prerequisite:** ECN 28

### **37. Principles of Real Estate 3 hours**

The objective of this course is to acquaint the student with the fundamental principles of real estate that are involved in the ownership and transfer of real property interests. (Spring Session only)

### **39. International Business & Management 3 hours**

Comparative management practices around the world; international business behavior and problems confronting multinational executives and corporations; analysis of corporate structures and operations in foreign environments. Study of management functions, organizations, structures, policies, operations, and multinational practices and global strategies. **Prerequisite:** Permission of Instructor

### **40. Information Systems (CS 40) 3 hours**

Provides background by defining and explaining technical, behavioral, economical, and organizational concepts relevant to information needs for decision making.



Introduces the student to financial, technical, and strategic planning information systems. Design, planning, organizing, and controlling user services and managing systems are key elements of the course. **Prerequisite: CS 10 or CS 11 and Junior Standing**

**41. Managerial Decision-Making 3 hours**

A course designed to present an organized and integrated approach to the managerial decision-making process. Emphasis will be placed on the following topics: the nature of the decision-making process; the stages of decision-making; the use of premises in decision-making; decision and implication; validating forms for decision-making; planning and decision-making; organizing for effective decision-making; controlling and decision-making; operations research; application of quantitative methods to the solution of business problems; practice and guidance in arriving at valid decisions.

**42. Seminar in Administrative Policy 3 hours**

This course is designed to give students practice in policymaking thereby enhancing their ability to identify, analyze, interpret and evaluate business policies, especially those of large corporations. Through the study of actual business situations, the student will learn to diagnose a company's policy decisions. Cases are selected from a variety of industries to emphasize the universality of management problems and to give the student a facility for solving problems wherever they may develop. An attempt will be made to focus previously gained knowledge of accounting, finance, management, marketing and economics upon such matters as organization, administration, procurement, production, sales, labor, financial and expansion policies.

**45. Seminar in Free Enterprise 1 hour**

The purposes of the seminar is to enhance understanding of the American Free Enterprise System. Students will develop projects to increase public awareness and understanding of economic problems facing our competitive system in global markets today. Business executives will act as advisors. A team of students will compete at a regional competition annually sponsored by SIFE International.

**55. Independent Study 1-3 hours**

**90. Business Internship 3 hours**

Selected students in business will be given three credit hours for completion of a summer internship period with a business firm. The student will be required to make a written report every two weeks on the activities that he or she has been involved in. A major paper will be submitted at the end of the internship covering different activities and projects that the intern participated in, as well as an analysis of the corporation's operations and any suggestions that the student would like to make. Also, a one-hour presentation will be given to an appropriate marketing class so that the student can share his or her experience with other students in the major.

## **MARKETING**

Marketing is the business function concerned with the flow of goods and services from the producer to the consumer. The marketing process provides an efficient way for enlightened producers to meet the needs of informed consumers. Primarily marketing activities include providing the right product, promoting it properly, selling it at the right place, and distributing it effectively.

Marketing at SJC is designed to allow students to develop their abilities to recognize and define marketing problems and solve them creatively. The marketing curriculum is career-oriented to enhance the student's early entry into the field of marketing.

Students wishing to prepare for a career in International Business should consider this group major. It embodies not only the commerce core for business, but draws on management, marketing, and international studies. A broad cultural awareness, a global perspective, and basic managerial knowledge and skills make this program attractive for students contemplating transnational organizations as their career objective. Note that competency in a foreign language is a requirement for this major.

### **MINOR IN MARKETING (18 credits)**

**REQUIRED:** 2 courses (6 credits)

MGT 11 Prin of Management

MKT 12 Prin of Marketing

**ELECTIVES:** Any 4 courses (12 credits) from Marketing.

### **MAJOR IN MARKETING (52 credits)**

**REQUIRED:** 8 courses, The Common Body of Knowledge in Business (25 credits)

ACT 11 Prin of Acct I

ECN 23 Prin of Econ: Microeconomics

ACT 12 Prin of Acct II

ECN 24 Prin of Econ: Macroeconomics

MGT 11 Prin of Management

ECN 28 Bus & Econ Statistics

MKT 12 Prin of Marketing

FIN 23 Prin of Finance

**REQUIRED:** 8 courses (24 credits)

MKT 21 Sales Management

MKT 43 Marketing Management

MKT 24 Adv. Comp. Apps.

MGT 41 Managerial Decision-Making

MKT 31 Advertising

MGT 42 Seminar in Admin. Policy

MKT 32 Marketing Research

MKT 36 Direct Response Marketing

**REQUIRED:** MTH 8 or higher level math course excluding MTH 12.

### **GROUP MAJOR IN INTERNATIONAL BUSINESS (67 credits)**

**REQUIRED:** The Common Body of Knowledge in Business, 8 courses (25 credits).



Choose 3 courses (9 credits) from the following:

Either GEO 24 Anthro. Geology or GEO 32 Mineralogy

Either POL 22 Comp. Gov't or POL 43 International Law & Organization

Either PSY 10 Gen Psych or SOC 12 Culture & Society

**ELECTIVE:** Any 3 credit course.

**NOTE:** Competency in a foreign language at the intermediate level is required for the group major in International Business.

### **TEACHER EDUCATION REQUIREMENTS:**

ACT 11-12, 23, or 24; MGT 10, 11, 22; MKT 12, 20; FIN 23; ECN 23-24, 28; CMP 07, 11-12. Elect 3 hours ACT 30 or above. College major in Management, Marketing, Accountancy, Finance, or Economics.

## **COURSE DESCRIPTIONS**

### **12. Principles of Marketing**

**3 hours**

A study of the structure and process of marketing with emphasis upon the manner in which marketing distributes economic resources and stimulates demand. Consumer, industrial and government markets are analyzed and the resources of the economy are reviewed from the standpoint of the marketing problems they present. The organization of marketing is described with special attention devoted to channels of distribution and the various types of retailers and wholesalers. Descriptive cases and commodity analyses are used throughout the course.

### **21. Sales and Management**

**3 hours**

A study of selling and sales management as they relate to the overall marketing process and accomplishment of corporate objectives. The first part of the course will examine the various aspects of personal selling including the principles and techniques of personal selling, and the steps in the selling process. The rest of the course will cover basic functions of sales management including sales forecasting and planning, staffing and directing the sales force, and management and control of sales operations.

**MKT 12 is recommended.**

### **24. Buyer Behavior**

**3 hours**

An analysis of the psychological, social, and economic influences that affect attitude formation and decision-making processes of industrial and household consumers. Emphasis will be placed on current findings from the behavioral sciences and the research procedures and tests commonly used in gathering psychographic data. (Spring session only)

### **31. Advertising: Principles and Procedures**

**3 hours**

A study of the role of advertising in the marketing structure and as a marketing tool of the individual firm. Consideration is given to the character of demand as seen by the individual firm and the opportunities for modifying it through the use of advertising. Content of the course includes an analysis of buying motives, social forces involved in consumer behavior, measurement of the market potential, determination



of proper advertising budgets, media allocations, and the devices used to measure the effectiveness of advertising campaigns. **MKT 12 and ECN 28 are recommended.**

**32. Marketing Research** **3 hours**

The use of scientific methods by business in gathering and utilizing marketing data in the efficient selling of merchandise. An analysis of selling and price and product problems that market research may assist in solving; research questionnaire building and methods of sampling; a survey of problems that a division of marketing is likely to face; analysis of markets through company records, published sources and original investigation.

**Prerequisite: MKT 12 and 28.**

**36. Direct Response Marketing** **3 hours**

An analysis of the new and growing marketing system of direct response. Direct response marketing includes the total activities by which products and services are offered to market segments in one or more media for informational purposes, the solicitation of a direct response from a present or prospective customer, or a contribution by mail, telephone or other means of access.

**MKT 12 is recommended.**

**43. Marketing Management** **3 hours**

A study of the marketing problems of the firm approached from a management point of view. Emphasis is placed on the development of the student's ability to analyze marketing situations, identify problems, determine solutions, implement corrective action, and plan strategy. The student learns how the marketing management functions of merchandising, channel selection, determination of brand policy and price policy, sales promotion, advertising and personal selling integrate to produce an effective marketing program.

**44. International Marketing** **3 hours**

Examines legal, economic, and cultural factors influencing marketing abroad. Commercial policies, practices, and techniques needed to locate and evaluate foreign markets, as well as the problems of pricing, promoting, and distributing products in international markets.

**Prerequisite: Permission of Instructor**

**55. Independent Study** **1-3 hours**

**90. Business Internship** **3 hours**

Selected students in business will be given three credit hours for completion of a summer internship period with a business firm. The student will be required to make a written report every two weeks on the activities that he or she has been involved in. A major paper will be submitted at the end of the internship covering different activities and projects that the intern participated in, as well as an analysis of the corporation's operations and any suggestions that the student would like to make. Also, a one-hour presentation will be given to an appropriate marketing class so that the student can share his or her experience with other students in the major.



## MATHEMATICS

The mathematics courses offered below are designed to help the student attain: 1) an understanding and appreciation of the fundamental methods of deductive reasoning; 2) adequate preparation for work in graduate and professional school; 3) facility in the use of mathematics as a tool; 4) thorough familiarity with modern mathematical concepts.

### MINOR IN MATHEMATICS (18 credits)

ELECTIVES: Any 18 credits in Mathematics numbered 12 or higher.

### MAJOR IN MATHEMATICS (36 credits)

Choose 36 credits from:

- |                          |                                 |
|--------------------------|---------------------------------|
| 12 Foundations of Math   | 39 Numerical Analysis           |
| 20 Discrete Math         | 40 Probability & Stats II       |
| 23 Pre-Calculus I        | 42 Modern Algebra II            |
| 25 Calculus I            | 43 Advanced Synthetic Geometry  |
| 26 Calculus II           | 44 Linear Algebra & Matrices    |
| 32 Modern Algebra I      | 46 Advanced Calc: Real Analysis |
| 33 Axiomatic Geometry    | 55 Independent Study            |
| 35 Calculus III          |                                 |
| 37 Theory of Numbers     |                                 |
| 38 Probability & Stats I |                                 |

### GROUP MAJOR IN MATHEMATICS-COMPUTER SCIENCE (54 credits)

REQUIRED: 14 courses (45 credits)

- |                              |                               |
|------------------------------|-------------------------------|
| CMP 11 Computer Science I    | CMP 46 Numerical Analysis     |
| CMP 12 Computer Science II   | MTH 32 Modern Algebra I       |
| CMP 21 Low Level Programming | MTH 35 Calculus III           |
| CMP 22 Data Structures       | MTH 36 Differential Equations |
| CMP 33 Computer Organization | MTH 37 Theory of Numbers      |
| CMP 34 Operating Systems     | MTH 38 Probability & Stats I  |
| CMP 43 Design & Analysis     | MTH 42 Modern Algebra II      |

Choose 12 credits from:

- |                               |                                 |
|-------------------------------|---------------------------------|
| 12 Foundations of Mathematics | 40 Probability & Stats II       |
| 20 Discrete Math              | 43 Advanced Synthetic Geometry  |
| 23 Pre-Calculus               | 44 Linear Algebra & Matrices    |
| 25 Calculus I                 | 46 Advanced Calc: Real Analysis |
| 26 Calculus II                | 55 Independent Study            |
| 33 Axiomatic Geometry         |                                 |

## GROUP MAJOR IN MATHEMATICS-PHYSICS (54 credits)

**REQUIRED: 16 courses (48 credits)**

24 credits in Mathematics from course number 12 and above.

24 credits in Physics.

**ELECTIVES:** Any 6 credits from Mathematics, Physics, or Computer Science.

NOTE: Credit for either Math 20 (Discrete Math) or Math 23 (Pre-Calculus) may be applied toward a major/minor in mathematics, but not both.

## TEACHER EDUCATION REQUIREMENTS:

Teaching major in Mathematics: Math, 25, 26, 32, 33, 35, 43. Elect 3 hours from Math 42, 44. Elect 3 hours from Math 38, 40. Elect 3 hours from Math 36, 37, 39, 46 or any computer science course and the major in Mathematics.

Teaching minor in Mathematics: Math 25, 26, 32, 33, 35, 43. Elect 3 hours from Math 38, 40; elect 3 hours from any upper level mathematics course.

## COURSE DESCRIPTIONS

<b>1. The Real Number System and its Theory for Teachers</b>	<b>3 hours</b>
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This course, designed specifically for pre-service teachers, stresses the number system structure. Numerical systems other than the Hindu-Arabic are given adequate treatment but they are not emphasized. The integers and number theory as related to the recent approaches in school mathematics are treated extensively.

## 2. Finite Mathematics for Teachers 3 hours

Beginning with rational numbers and certain of their properties, the arithmetic operations (addition, subtraction, multiplication, and division) are studied carefully. Decimals, decimal operations and the role of the hand-held calculator then follow. Radicals, exponents, percents and computing interest are among the topics considered. The geometric part of the course is concerned with basic notions in the plane and in three dimensions. Some motion geometry is studied to generate the congruence concept. An elementary approach to coordinate geometry will include equations of lines and related distance and midpoint formulas.

### 3. Statistics and Probability for Teachers 2 hours

#### 4. Methods of Teaching Mathematics 2 hours

## 5. Computer Science for Teachers 1 hour

These two courses (3,5) are to be taken concurrently. The statistics and probability segment treats of how probabilities are determined, multistage experiments, methods of counting, statistical graphs, and measures of central tendency and variation. In the computer science segment, two languages will be introduced and used: BASIC and LOGO. The treatment of BASIC will include variables, operations and branching. With LOGO, after the introductory lessons with the "turtle" the emphasis will be on



procedures using variables. The powerful tool of recursion will complete the segment.

**6. Problem Solving as a Process** **1 hour**

These two course (4,6) are to be taken concurrently. Selected reading from the National Council of Teachers of Mathematics Journals (as they relate either to the elementary or the middle/secondary curriculum), as well as other curriculum studies, such as the Indiana Mathematics Guidelines, will take up the bulk of the desk work for these courses. The process of problem solving, namely, understanding the problem, devising a plan, carrying out the plan, and checking the results, will be studied in detail and solution/discussion of selected activities will take place.

**7. Basic Algebraic Skills** **3 hours**

This course is intended as either a refresher course or a first course in algebra for those students who have been away from mathematics studies for some time. The course treats the following topics: operations on real numbers, linear equations and inequalities, exponents and polynomials, rational expressions, roots and radical, and quadratic equations. The assignments will include attacking "word problems" as part of the skills to be acquired.

**8. Finite Mathematics** **3 hours**

This course is designed specifically for students majoring in commerce. It is intended as a preparation for the course in business statistics required by the commerce departments. Topics include: set theory, symbolic logic, relations and functions, sequences and series, combinatorial analysis, and an introduction to the basic concepts of probability and discrete random variables.

**12. Foundations of Mathematics and Problem Solving  
as Related to Algebraic Structures** **3 hours**

The basic properties of algebraic structures are studied particularly through models. Extensive use of the properties are applied to traditional algebra. Detailed examples of specific algebraic structures are treated. The algebra of sets, the development of the concepts of number and numeration as well as the introduction to the construction of the rational numbers from the integers are studied in example form. The problem solving approach is carried out through the entire study. Students are expected to discuss the manner of discovery of the various concepts as the models and examples develop.

**20. Discrete Mathematics** **3 hours**

An introduction to logical and algebraic structures and combinatorial mathematics. Topics include methods of proof, recursion, Boolean algebra, recurrence relations, graph theory, finite automata, theory of computation with examples of applications to the field of computer science.

**23. Pre-Calculus** **3 hours**

This course is intended for those who wish to study Calculus, but who need some preliminary mathematical work. It begins with some fundamentals of algebra, including sets, functions, and graphs. It treats of polynomial and rational functions, and includes the usual transcendental functions. It considers trigonometric identities and certain elements of analytic geometry, including conic sections.



**25. Calculus I****4 hours**

Including a first week review of pre-calculus, this course is an introduction to the Calculus through concepts involving limits of functions, continuity at a point, and the derivative; differentiating products, quotients, and composite functions are treated; implicit differentiation, the Extreme Value Theorem and the Mean Value Theorem complete the content. The course will include a laboratory session with the Computer Algebra System "Derive" and will incorporate the use of a scientific graphics calculator as a regular part of the study. Each student is expected to have either the suggested calculator or one approved by the instructor. This course, together with Math 26 and 35, satisfies the calculus portion of the Indiana Department of Education requirement for Secondary Teacher Education students of mathematics.

**26. Calculus II****4 hours**

Continuing the introduction to the Calculus, this course pursues graph sketching noting asymptotic behavior, extrema, concavity, and related concepts. The definite integral is introduced with analytic geometry, then Riemann sums, and then the Fundamental Theorem of Calculus. Applications of the definite integral include area of regions, volumes, arc length and surface area. The laboratory section will continue the use of the Computer Algebra System and the graphics calculator will again be used on a regular basis. This course, together with Math 25 and 35, satisfies the calculus portion of the Indiana Department of Education requirement for Secondary Teachers Education students of mathematics.

**32. Modern Algebra I****3 hours**

This course is that portion of Abstract Algebra which studies elementary group theory. It considers the properties of groups, subgroups, and functions; this leads to groups of permutations and groups isomorphic to them. Homomorphisms of groups along with the induced quotient groups culminate in the Fundamental Homomorphism Theorem; this rounds out the course. Either Math 42 or this course fulfills the requirement for Modern Algebra by the Indiana State Department of Education for Secondary Teacher Education students of mathematics.

**33. Axiomatic Geometry****3 hours**

This course is a critical examination of the foundations of plane geometry, using an axiomatic approach. It deals with the Parallel Postulate, and ruler and compass constructions. Along with Math 43, this course fulfills the requirement for geometry by the Indiana Department of Education for Secondary Teacher Education students of mathematics.

**35. Calculus III****4 hours**

This course continues the calculus sequence with a study of L'Hopital's rule, the differentiation and integration of selected transcendental functions, and the techniques of integration, including integration by parts, trigonometric substitutions, partial fractions, and the like. Differential equations are only briefly introduced. The main thrust of the course is an in-depth study of infinite sequences and series, including power series, Taylor series and Taylor polynomials. This course, together with Math 25 and 26, satisfies the calculus portion of the Indiana Department of Education requirement for Secondary Teacher Education students of mathematics.



**36. Differential Equations 3 hours**

This course studies differential equations from a practical viewpoint. It combines the formal exercises of integrating the various standard types of differential equations with the setting-up of equations for problems from the natural sciences.

**37. Theory of Numbers 3 hours**

This course treats the elementary properties of integers. It studies divisibility of integers, Euclid's Algorithm, solutions to Diophantine Equations, prime numbers, congruences and quadratic residues.

**38. Probability and Statistics I 3 hours**

This course is an introduction to probabilistic models and the theory of probability. It includes the study of conditional probability, random variables of one, two and higher dimensions, as well as some characterizations of discrete and continuous random variables. Either Math 40 or this course fulfills the requirement for Probability and Statistics by the Indiana Department of Education for Secondary Teacher Education students of mathematics.

**Prerequisite: Mathematics 25**

**39. Numerical Analysis (Computer Science 46) 3 hours**

This course develops algorithms involving iteration to approximate solutions to various kinds of problems. It studies finite differences, interpolating polynomials for numerical differentiation and integration, as well as the solution of equations and differential equations. The hand calculator and the personal computer are the normal tools for this course.

**40. Probability & Statistics II 3 hours**

This course presents an introduction to inferential statistics beginning with a brief overview of descriptive statistics and probability, including discrete and continuous distributions, and the central limit theorem. The main emphasis is on estimation, hypothesis testing, and selected tests for small samples. It culminates in analyses of variance and bivariate data with correlation and linear regression. Either Math 38 or this course fulfills the requirement for Probability and Statistics by the Indiana Department of Education for Secondary Teacher Education students of mathematics.

**Prerequisite: Mathematics 25**

**42. Modern Algebra II 3 hours**

This course is that portion of Abstract Algebra which studies elementary ring theory including ideals and quotient rings. It follows with a study of field theory and closes with a look at rings of polynomials and extension fields. Either Math 32 or this course fulfills the requirement for Modern Algebra by the Indiana State Department of Education for Secondary Teacher Education students of mathematics.

**43. Advanced Synthetic Geometry 3 hours**

This course is essentially an extension of Euclidean Geometry of the Plane. It includes notable points of the triangle, concurrency and collinearity, orthogonal circles, poles and polars and the concept of inversion. Along with Math 33, this course fulfills the requirement for geometry by the Indiana Department of Education for Secondary Teacher Education students of mathematics.



**44. Linear Algebra and Matrices****3 hours**

This course studies linear transformations and linear algebras, including the study of solutions to systems of linear equations. It treats the theory of matrices leading to the theory of vector spaces over a field. It studies the operations on matrices, including determinants, and uses these concepts in a variety of applications.

**46. Advanced Calculus: Real Analysis****3 hours**

This capstone course of the calculus sequence is a modern, topological approach to real analysis. It deals with the concepts of bounded sets; convergence of sequences and sub-sequences of real numbers; continuous functions on metric spaces; open and closed sets; connectedness, completeness, and compactness; Riemann Integrals and derivatives; law of the mean; fundamental theorems of calculus; and improper integrals.

**Prerequisite: Mathematics 35**

**55. Independent Study****1-3 hours**



**MUSIC**

The aim of the Department of Music is to further the intellectual and aesthetic development of the student through the medium of music theory and practice, secular and religious. The student majoring in Music may concentrate in applied music, theory and composition, church music, or music education. Students concentrating in church music may emphasize organ, voice, choral conducting, piano, guitar or composition. Students concentrating in music education may emphasize a keyboard instrument, a band instrument, or voice.

**ASSOCIATE DEGREE IN CHURCH MUSIC & LITURGY (60 credits)**

**REQUIRED:** 10 courses (19 credits)

- 01 Synthesis of Music History I (to 1700) Summer only
- 02 Synthesis of Music History II (1700-1900) Summer only
- 03 Synthesis of Music History III (20th Century) Summer only
- 11 & 12 Music Theory I & Lab
- 13 & 14 Music Theory II & Lab
- 15 Principles of Conducting: Theory & Practice
- 46 Advanced Conducting
- 60 Music as Pastoral Prayer (Summer only)

**REQUIRED:** 6 courses of Applied Music (18 credits)

- 30B Piano - 2 hrs.                      30D Guitar - 2 hrs.
- 30C Organ - 3 hrs.                      30 Elective - 1 hr.
- 30A Voice - 2 hrs.

**REQUIRED:** 7 credits in Liturgy (511-522, summer only)

**REQUIRED:** Cores 1, 2, 3, 4 (24 credits)

**MINOR IN MUSIC (18 credits)**

**REQUIRED:** 6 courses (12 credits)

- 11 & 12 Music Theory I & Lab      34 Music History & Lit II
- 13 & 14 Music Theory II & Lab      43 Music History & Lit III

**ELECTIVES:** Any 6 credits in Music.

**MAJOR IN MUSIC** - Students may elect to concentrate in one of three areas:

- Applied Music - 45 credits
- Church Music - 44-48 credits
- Theory & Composition - 49 credits

**REQUIRED:** Music courses for all concentrations: 11 courses (22 credits)

- 11-12 Music Theory I & Lab      34 Music History
- 13-14 Music Theory II & Lab      43 Music History & Lit III
- 21-22 Music Theory II & Lab      44 Music History & Lit IV
- 23-24 Music Theory IV & Lab

Applied Music Concentration

- REQUIRED:** 3 Courses (7 credits)
- 45 Keyboard Harmony & Extemporization
  - 48 Form & Analysis
  - 50 Recital

**ELECTIVES:** 16 credits of Applied Music with at least 4 credits of Piano.

Theory and Composition Concentration

- REQUIRED:** 7 courses (19 credits)
- |                                    |                             |
|------------------------------------|-----------------------------|
| 37 Eighteenth Century Counterpoint | 48 Form & Analysis          |
| 40 Instrumental Arranging          | 52 Intermediate Composition |
| 41 Choral Arranging                | 62 Advanced Composition     |
| 42 Elementary Composition          |                             |

**REQUIRED:** 8 credits of Piano.

Church Music Concentration

- REQUIRED:** 5 courses
- 15 Principles of Conducting: Theory & Practice
  - 33 Music History & Lit I
  - 37 Eighteenth Century Counterpoint
  - 45 Keyboard Harmony & Extemporization
  - 46 Advanced Conducting

**REQUIRED:** 6 credits in Liturgy (511-522, summer only)

Choose one of the following emphases:

Organ:	Piano (4)	Organ (8)	Voice (2)
Voice:	Piano (4)	Organ (2)	Voice (8)
Guitar:	Guitar (6)	Keyboard (4)	Voice (4)
Conducting:	Piano (4)	Organ (4)	Voice (2)
Composition: (6)	Piano (4)	Organ (2)	Voice (2)
Piano:	Piano (8)	Organ (4)	Voice (2)

**GROUP MAJOR MUSIC/BUSINESS ADMINISTRATION (64 credits)**

- REQUIRED:** 8 courses (16 credits)
- |                               |                            |
|-------------------------------|----------------------------|
| 11 & 12 Music Theory I & Lab  | 34 Music History & Lit II  |
| 13 & 14 Music Theory II & Lab | 43 Music History & Lit III |
| 15 Prin of Conducting         | 44 Music History & Lit IV  |

- REQUIRED:** 8 courses, The Common Body of Knowledge in Business (25 credits)
- |                           |                                     |
|---------------------------|-------------------------------------|
| ACT 11 Prin of Acct I     | ECN 23 Prin of Econ: Microeconomics |
| ACT 12 Prin of Acct II    | ECN 24 Prin of Econ: Macroeconomics |
| MGT 11 Prin of Management | FIN 23 Prin of Finance              |
| MKT 12 Prin of Marketing  | FIN 28 Business & Econ Statistics   |



Choose 2 credits from:

- 40 Instrumental Arranging
- 41 Choral Arranging
- 42 Elementary Composition

Choose 3 credits of Applied Music, which must include 2 credits of piano.

### TEACHER EDUCATION REQUIREMENTS:

All-Grade area major in Music (Indiana certifiable to teach choral or general or instrumental music K-12) (52 credits)

REQUIRED: 17 courses (34 credits)

- |                                  |                            |
|----------------------------------|----------------------------|
| 11 Music Theory I                | 33 Music History & Lit I   |
| 12 Music Theory I                | 34 Music History & Lit II  |
| 13 Music Theory II               | 43 Music History & Lit III |
| 14 Music Theory II               | 44 Music History & Lit IV  |
| 15 Prin of conducting            | 40 Instrumental Arranging  |
| 21 Music Theory III              | 41 Choral Arranging        |
| 22 Music Theory III              | 46 Advanced Conducting     |
| 23 Music Theory IV               |                            |
| 24 Music Theory IV               |                            |
| 29 Choral & Instrumental Methods |                            |

REQUIRED: 14 credits in Applied Music

- |                          |                                |
|--------------------------|--------------------------------|
| Voice - 2 hours          | Percussion - 2 hours (private) |
| Piano - 4 hours          | Strings - 2 hours (MUS 38)     |
| Brass - 2 hours (MUS 25) | Woodwinds - 2 hours (MUS 35)   |

ELECTIVES: Any 4 credits in Music.

All-Grade Major in Music (choral, general, or instrumental) (43-49 credits)

REQUIRED: 15 courses (31 credits)

- |                       |                                  |
|-----------------------|----------------------------------|
| 11 Music Theory I     | 23 Music Theory IV               |
| 12 Music Theory I     | 24 Music Theory IV               |
| 13 Music Theory II    | 29 Choral & Instrumental Methods |
| 14 Music Theory II    | 33 Music History & Lit I         |
| 15 Prin of Conducting | 34 Music History & Lit II        |
| 21 Music Theory III   | 43 Music History & Lit III       |
| 22 Music Theory III   | 44 Music History & Lit IV        |
|                       | 46 Advanced Conducting           |

Choose either MUS 40 or MUS 41 (2 credits)

REQUIRED: Applied Music

- Choral: (14 hrs) 6 hrs of Piano and organ; 8 hours of Voice;  
4 semesters of chorus participation.

General: (10 hrs) 2 hrs. of Piano; 2 hrs. of Voice;  
          2 hrs. of a non-keyboarding instrumentation  
          2 semesters of Band participation  
          2 semesters of Chorus participation

Instrumental: 2 hrs. of Piano, 6 hrs. of a single  
                Non-keyboard instrument, MUS 38  
                2 hrs. of brass, 2 hours of woodwinds, 2 hours of percussion, 4 semesters  
                of band participation

**ELECTIVES:** Any 18 credits from Management and Marketing.

**NOTES:** For all students majoring or minoring in Music or enrolled in the group major program in Music/Business Administration, participation in a faculty-directed major ensemble each semester is required. Students completing the all-grade major in music with choral emphasis are to participate in chorus each semester. Students completing the all-grade major in music with instrumental emphasis are to participate in band each semester. Students completing the all-grade major in music with general emphasis are to participate in either chorus or band each semester. Students completing the all-grade area major in music are to participate in band and chorus each semester. For those concentrating in church music, participation in chorus is required each semester. The required participation applies to every semester that the student is enrolled in the college. Ensemble participation will be indicated on the student's transcript, without credit, but with a "Pass" or "Not Pass" grade.

All music majors, minors, and group majors must pass the music placement test, including fundamentals of musical notation and the sight-reading of elementary piano music, before enrolling in Music 11.

All music majors must pass a piano proficiency examination prior to graduation. A student is to enroll for piano lessons every semester until the proficiency examination is passed.

Each semester all Music majors will perform in at least one of the several student recitals unless specifically excused by the chairman of the department.

Courses in applied music may not be audited nor may composition be audited.

**COURSE DESCRIPTIONS**

- |  |        |
|--|--------|
| 1. Synthesis of Music History I (to 1700)<br>(Summers only)        | 1 hour |
| 2. Synthesis of Music History II (1700-1900)<br>(Summers only)     | 1 hour |
| 3. Synthesis of Music History III (20th Century)<br>(Summers only) | 1 hour |



- 4. Music Fundamentals** 2 hours
- 5. Theory Integration** 1 hour  
(Summers only)
- 8. Music Appreciation** 2 hours  
An introduction to, and survey of Music - vocal and instrumental, sacred and secular, "serious" and "popular," from antiquing or the present.
- 11. Music Theory I** 3 hours  
Rudiments; notation; manuscript techniques; elements of music (rhythm, melody, harmony, color); texture; elementary forms; tonality and modality; triads in root position and inversions; harmonic progression, root movements, and voice leading; non-harmonic tones; harmonization of a given part; two-, three-, and four-part harmony; figured bass; cadences. Various written exercises and analysis of scores.
- 12. Music Theory I** 1 hour  
Lab with Mus. 11. Sightsinging, ear training, and keyboard harmony relevant to material of Music 11.
- 13. Music Theory II** 3 hours  
Continuation of Music 11. Harmonic rhythm; elementary chromaticism; modulation; the dominant seventh chord and secondary dominant chords with regular and irregular resolutions; sequence; evolution of harmonic theory through the major-minor system of tonal music. Various written exercises and analysis of scores.  
**Prerequisite: Music 11**
- 14. Music Theory II** 1 hour  
Lab with Music 13. Continuation of Music 12. Sightsinging, ear training, and keyboard harmony relevant to material of Music 13.
- 15. Principles of Conducting: Theory and Practice** 2 hours  
Fundamentals of score-reading and baton technique.
- 21. Music Theory III** 3 hours  
Continuation of Music 13. Chorale style; tonal counterpoint; sonata principle; harmonic expansion of the nineteenth century; chords of the complete and incomplete major and minor ninth of dominant function; diminished seventh chords of non-dominant function; chords of the ninth, eleventh, and thirteenth. Various written exercises and analysis of scores.  
**Prerequisite: Music 13**
- 22. Music Theory III** 1 hour  
Lab with Music 21. Continuation of Music 14. Sight-singing, ear training, and keyboard harmony relevant to material of Music 21.
- 23. Music Theory IV** 3 hours  
Continuation of Music 21. The Neapolitan sixth chord; chords of the augmented sixth and other chromatic chords; extension of common practice; tonality-supporting and tonality-weakening elements; pentatonic scale; whole-tone scale; synthetic scales;

secundal, quartal, and quintal sonorities; pandiatonicism; polychordality and polytonality; atonality; twelve-tone method. Various written exercises and analysis of scores.

**Prerequisite: Music 21**

**24. Music Theory IV 1 hour**

Lab with Music 23. Continuation of Music 22. Sight-singing, ear training, and keyboard harmony relevant to material of Music 23.

**25. Brass Techniques 2 hours**

A fee of \$65.00 is assessed for this course.

**27. Musical Preparation for Elementary Classroom Teachers I 2 hours**

Music fundamentals are introduced in a way that is appropriate for the college student, but applicable to the elementary classroom, combining the study of music fundamentals with an introduction to techniques and skills that can be used in guiding the child's musical development. Lab fee. Offered first semester each year: TTh 11:00-12:00.

**28. Musical Preparation for Elementary Classroom Teachers II 2 hours**

An introduction to, and survey of, music vocal and instrumental, sacred and secular, "serious" and "popular," from antiquity to the present. Offered second semester each year: TTh 11:00-12:00.

**29. Choral and Instrumental Methods for Elementary  
and Middle School Music Educators 2 hours**

A study of basic musical experiences normally available in elementary and middle schools; means and methods of providing these experiences; investigation and training in Orff and Kodaly methods; investigation of school music texts, choral literature, and audiovisual aids.

**Prerequisite: Music 11 or equivalent**

**33. Music History and Literature I 2 hours**

A survey of music history and literature from Antiquity to the Early Baroque.

**34. Music History and Literature II 2 hours**

A survey of music history and literature from the Mature Baroque to Beethoven (inclusive).

**35. Woodwind Techniques 2 hours**

A fee of \$65.00 is assessed for this course.

**36. Jazz Techniques 2 hours**

**37. Eighteenth Century Counterpoint 3 hours**

A course in eighteenth-century counterpoint to four parts. Analysis and composition. A detailed study of various chorale-based forms, fugue, and Baroque variation forms, as well as Bach's Art of the Fugue.



- 38. String Techniques** 2 hours  
A fee of \$65.00 is assessed for this course.
- 39. Marching Band Techniques** 3 hours  
Study of, and practice in, creating band shows, to include arranging the music, charting formations, drill, and organization and administration of a marching band, with special reference to the styles of certain large university bands and their adaptability to band programs of varying sizes and conditions.
- 40. Instrumental Arranging** 2 hours
- 41. Choral Arranging** 2 hours
- 42. Elementary Composition** 2 hours  
Unison and two-part writing with accompaniment; emphasis on melodic techniques. At least one of the following: binary and ternary forms, solo vocal or instrumental and accompaniment, invention, ground bass, duets, two-part choral writing. Manuscript techniques.
- 43. Music History and Literature III** 2 hours  
A survey of music history and literature from the death of Beethoven to 1913.
- 44. Music History and Literature IV** 2 hours  
A survey of music history and literature from 1913 to the present.
- 45. Keyboard Harmony and Extemporization** 3 hours  
Prerequisite: Music 13
- 46. Advanced Conducting** 2 hours
- 48. Form and Analysis** 3 hours  
An extended and concentrated study of larger music forms, including selected works from the Well-Tempered Clavier by Bach, the keyboard sonatas by Beethoven, and the orchestral, chamber music, and keyboard literature from the Classical Period through the Contemporary Period.  
Prerequisite: Music 13
- 50. Recital** 1 hour
- 52. Intermediate Composition** 2 hours  
At least one of the following: Single movement works for three or more parts, using appropriate melodic and harmonic techniques. Chorale prelude, passacaglia, chaconne, rondo, ritornello, theme and variations, trios, three-part choral writing. Manuscript techniques.  
Prerequisite: Music 42 or equivalent.
- 55. Independent Study in Music** 1-3 hours
- 56. Advanced Guitar** 1 hour  
(Summer only)

**60. Music as Pastoral Prayer**  
(Summers only)

**3 hours**

**62. Advanced Composition**

**2 hours**

At least one of the following: Single movement works for four or more parts, using appropriate polyphonic techniques. Sonata, sonatina, fugue, quartets, four-part choral writing. Manuscript techniques. **Prerequisite: Music 52 or equivalent.**

**72. Free Composition**

**2 hours**

Large, multi-sectional/movement works for varied choral or instrumental ensembles or combinations thereof, four or more parts. Manuscript techniques.

**Prerequisite: Music 62, 40 and 41 or equivalent.**

## **NURSING**

Saint Joseph's College offers two distinct programs in nursing: 1) A 3 year Registered Nurses (RN) program offered in cooperation with St. Elizabeth Hospital School of Nursing in Lafayette, Indiana and accredited by the Indiana State Board of Nursing and the National League for Nursing. 2) A degree completion program for registered nurses or recent graduates of an associate degree or diploma program who are not yet licensed which leads to a Bachelor of Science Degree in Nursing (BSN).

Application to the diploma program should be made to St. Elizabeth Hospital School of Nursing, 1508 Tippecanoe St., Lafayette, IN 47904 (317-423-6400). Applications to the BSN program should be made through the Office of Admissions at Saint Joseph's College.

### **ST. ELIZABETH HOSPITAL DIPLOMA PROGRAM**

Students pursuing this program will spend their first year on the Saint Joseph's College Campus in Rensselaer for two semesters and a spring session. They will then attend St. Elizabeth Hospital School of Nursing in Lafayette for the second and third years of study. At the end of the third year they will have earned their nursing diploma and are eligible to take the National Council Licensing Examination for Registered Nurses (NCLEX-RN) given by the Indiana State Board of Nursing.

The mission of the St. Elizabeth Hospital School of Nursing is to provide a quality education program within the Christian context of a healing ministry. This program's aim is to prepare a self-directed, critically-thinking, problem-solving practitioner who provides quality nursing care to clients at the beginning level within hospitals, extended care facilities, clinics and other related client-care settings.

### **DIPLOMA PROGRAM: (116 credits)**

**REQUIRED: Core 1, 2, 3, 4, 7, 8, 10 (39 credits)**

**REQUIRED: 6 courses (21 credits)**

BIO 15-16 Human Anatomy & Physiology for Nurses

BIO 23 Microbiology

CHM 13 Introduction Chemistry



CHM 14 Introduction Organic & Biochem  
 PSY 23 Psychology of Human Development

**REQUIRED:** 10 courses (58 credits)\*

NRS 15 Principles of Nursing  
 NRS 16 Foundations of Nursing Practice  
 NRS 23 Care of Clients With Alterations in Homeostatic Functions  
 NRS 24 Care of Clients with Alterations in Sensory-Perceptual & Mobility  
 NRS 25 Care of Clients with Alterations in Metabolic Functions  
 NRS 26 Care of Clients with Alterations in Oxygenation Functions  
 NRS 32 Concepts of Obstetrical Nursing Care  
 NRS 33 Concepts of Pediatric Nursing Care  
 NRS 34 Concepts of Mental Health Nursing Care  
 NRS 35 Concepts of Patient Care Management

(These courses are described in the Saint Elizabeth *Bulletin*.)

## **BACHELOR OF SCIENCE IN NURSING PROGRAM (BSN)**

**REQUIRED:** 8 courses (28 credits)

NRS 41 Contemporary Nursing	NRS 45 Geriatrics: Healthy Aging
NRS 42 Nursing Assessment	NRS 46 Family Theory
NRS 43 Intro to Investigative Study	NRS 47 Community Health
NRS 44 Community Assessment	NRS 48 Practicum in Nursing Mgt.

**REQUIRED:** 3 credits in statistics, 6 credits in Core 9.

**ELECTIVES:** 3 credits in any area.

**NOTES:** For the BSN students must

1. Complete accredited RN program with 41 credits in Nursing and Indiana license.
2. Up to 26 semester credits may be awarded for previous nursing courses by completing the NLN mobility profile, ACT PED or Mosby Assess Test; or, by Portfolio.

## **COURSE DESCRIPTIONS**

### **41. Contemporary Nursing**

**2 hours**

This course is designed to provide an overview of the historical development and contemporary status of nursing. Content includes nursing theories, nursing as an emerging profession, and the expanding roles in nursing.

### **42. Physical Assessment**

**3 hours**

This course is designed to enhance the nurse's abilities in data collection and physical assessment. Emphasis will be placed on integration of these skills and techniques into the nursing process. Opportunity for practice is provided in the laboratory setting. (Must be taken either prior to or concurrent with a clinical nursing

course) Lab fee.

**43. Nursing Research****2 hours**

This course is designed to provide an introduction to investigative study and research methodologies with focus on scientific inquiry. Content includes the research process and ethics, communication of research findings and the nurse's role. Course work includes critiquing of current nursing research.

**Prerequisite: N41**

**44. Community Assessment****3 hours**

In this course the community is analyzed as a setting for health care. Students will complete a community assessment utilizing the nursing process and biostatistics. Epidemiology will be utilized to determine the community health and health care needs. The course will also focus on evolving community health nursing roles in relation to their application, impact and usefulness. (2 credit hours of theory; 1 credit hour of clinical experience.)

**Prerequisite: N46.**

**45. Geriatrics: Health Aging****3 hours**

A multidisciplinary study of aging presenting the sociological, psychological and physiological aspects of aging. Included in this course are the unique problems of retirement, mental and physical health, financial security and preparation for death. The focus will be a human needs approach that a health service professional, nurse, or care provider should consider.

**No prerequisites.**

**46. Family Theory****3 hours**

This course is designed to give the student an indepth view of the family and its processes. Topics covered include family theory, family structure, family function and the development of the family as they proceed through the life cycle.

**47. Community Health****6 hours**

The care of individual and families in the community are examined during this course. Health problems, human needs, disease prevention and health promotion are addressed both in the home and other community health settings for individuals and families. Practice setting include the home, school, industry and other community health settings.

**Prerequisite: N44**

**48. Practicum in Nursing Management****6 hours**

This course is designed to allow the nurse to explore a focused interest within clinical nursing. Guidance is provided as the nursing process is utilized to meet the specific needs of the learner. A project related to the focused area of interest is to be completed. Seminar time for discussion of management theory and issues that present themselves in the clinical setting is an integral part of this course.

**Prerequisite: N42 (may be concurrent)**

**49. Statistics for Health Care Research****3 hours**

This course is designed to assist the learner to understand the statistical techniques most commonly reported in the research literature in the health professions.



Mathematical calculations are kept to a minimum and computer printouts and examples from the literature are used to demonstrate specific techniques. (Fulfills statistics requirement).

### **50. Pathophysiology**

**3 hours**

This course examines the cellular processes of selected diseases and traumas; the body's adaptive and compensatory mechanisms; and the signs, symptoms, and therapies for these diseases. Besides pathophysiology, other biological and physical sciences are related to the nursing care of clients with these diseases. (Fulfills elective requirement).



**PHILOSOPHY**

The study of philosophy offers students an opportunity to investigate, in the broadest systematic way, fundamental questions about reality, truth and value. Further, the discipline of philosophy promotes serious and sustained reflection upon the formation and application of ideas. The study of philosophy consequently offers immediate, practical use, in addition to its well known life-long value. The philosophic skills of thinking clearly, organizing coherently, and analyzing insightfully, will help students in all disciplines meet their goals.

Philosophy courses are designed to meet the requirements of three classes of students: a) those wishing to approach a liberal education through philosophy, b) those desiring an intensive study of philosophy preparatory to post-graduate study in some other field, e.g., law, theology, medicine, or education, and c) those seeking preparation for a career, as teacher or writer, in philosophy.

**MINOR IN PHILOSOPHY (18 credits)**

**REQUIRED:** 2 courses (6 credits)

20 Philosophy of Human Nature

40 Metaphysics

**ELECTIVES:** Any 12 credits in Philosophy

**MAJOR IN PHILOSOPHY (36 credits)**

**REQUIRED:** 4 courses (36 credits)

11 Introductory Logic

20 Philosophy of Human Nature

39 Ethics: Problems of Acting

40 Metaphysics

Choose 6 credits from:

21 Plato & Aristotle

22 Augustine, Bonaventure & Aquinas

31 Modern Philosophy

32 Existentialism & Contemporary Thought

51 Great Issues in Phil

Choose 6 credits from:

39 Epistemology

41 Traditional Pol Philos

43 Phil of Art & Beauty

42 Modern Pol Phil

47 Phil of Law

49 Phil of History

50 Great Thinkers

Choose 3 credits from:

37 Phenomenology & Behavioral Science

54 Business Ethics

**ELECTIVES:** Any 9 credits in Philosophy.



**MAJOR IN PHILOSOPHY/RELIGION (36 credits)****REQUIRED:** 7 courses (21 credits)

PHI 15 Philosophy of Religion  
 PHI 20 Philosophy of Human Nature  
 PHI 39 Ethics: Problems of Acting  
 PHI 40 Metaphysics  
 PHI 57 Seminar in Philosophy & Religion  
 REL20 Intro to Scripture I  
 REL21 Intro to Scripture II

**ELECTIVES:** Any 15 credits from Philosophy or Religion.**COURSE DESCRIPTIONS****11. Introductory Logic 3 hours**

This course investigates the forms of valid reasoning in the classical as well as in the modern symbolic systems of logic. The classical logic of the syllogism is covered via the Venn diagram method. Symbolic logic involves the propositional calculus, the logic of predicates and classes, and formal proofs of validity-invalidity. The treatment of induction emphasizes scientific method and the logical concept of probability. The aim of the course is both theoretical and practical; it aims at developing the student's ability to think clearly and rigorously and to understand the rules for such thinking. Taught every winter semester.

**15. Philosophy of Religion (Rel 15) 3 hours**

This is the departmental introduction to the study of religion. Emphasis is placed on our experience of the divine and seeks to awaken an awareness of the diversity of the human response to the concept of the divine.

**20. Philosophy of Human Nature 3 hours**

A study of the nature of being human and the meaning of human existence. The course asks why and how people philosophize. Philosophers' answers to these questions will be presented and discussed.

**21. Plato and Aristotle 3 hours**

A study of the philosophic thought and work of Plato and Aristotle as well as the thought and work of their predecessors. Selected Platonic dialogues and selections from the major works of Plato's best student, Aristotle, will be the focal point of examinations and discussion.

**22. Augustine, Bonaventure, and Thomas Aquinas 3 hours**

A study of the philosophic thought and work of Augustine, Bonaventure and Thomas Aquinas as well as the thought and work of their contemporaries. Selections from the major works of Augustine, Bonaventure and Thomas Aquinas will be the focal point of examination and discussion.

**31. Modern Philosophy 3 hours**

A study of the period from 1600 to 1900 when the distinction between philosophy

## 3 hours

### 3 hours

### 3 hours

### 3 hours

### 3 hours

### 3 hours

### 3 hours

### 3 hours



**47. Philosophy of Law (Pol. Science 47)****3 hours**

An analysis and evaluation of the principal theories on the nature and the purpose of law currently taught in the great law schools of the United states: natural law, legal positivism, and legal realism or sociological jurisprudence. Through critical discussion of these theories and some of their practical and contemporary consequences, students are encouraged to formulate their own philosophy of law. Especially recommended to pre-law and political science students.

**49. Philosophy of History****3 hours**

A study of the various interpretations of history both as the course of human events and as a discipline dealing with those events. It investigates the nature and validity of the methods and results of historical knowledge. It inquires into the patterns, mechanisms and purposes of the course of man in time.

**50. Great Thinkers****3 hours**

An advanced study of enduring philosophic interest. The course's content is determined by the interests of the members of the department, the general faculty, and the students. Specifics are announced as the course is scheduled.

**51. Great Issues in Philosophy****3 hours**

An advanced study of themes of enduring philosophic interest. The course's content is determined by the interests of the members of the department, the general faculty, and the students. Specifics are announced as the course is scheduled.

**54. Business Ethics****3 hours**

A course in applied ethics focusing on business. This course will supply a conceptual framework for resolving ethical problems in a business context as well as exposing students to common sorts of ethical problems the business world may present.

**55. Independent Study****1-3 hours****57. Seminar in Philosophy and Religion (Rel 57)****3 hours**

Intensive study of a topic or thinker of interest to philosophers or theologians. A major research paper using the methods and skills of the trained scholar, will be expected. A presentation of the paper, using a colloquium format, will be required. Required for graduation of all students majoring in philosophy and religion.

## **PHYSICALEDUCATION**

The courses in Physical Education are designed to offer the student theoretical and practical knowledge. Courses in the history and principles of physical education present the background upon which the profession developed and the standards which must be maintained. Other courses are offered to acquaint the student with the professional skills, techniques, and competencies that will be needed in the exercise of teaching coaching, wellness management, and recreational supervision.

Physical Education majors are prepared to enter the coaching field, the teaching of health and physical education and working in recreational activities and centers, undergraduate preparation for internship certification in athletic training, and undergraduate preparation in the field of exercise science.

### **MINOR IN PHYSICALEDUCATION (18 credits)**

**REQUIRED:** 4 courses (10 credits)

PE 11 History & Principles of P.E.

PE 46 Organization & Administration of P.E., Athletics & Intramurals

BIO 21 Human Anatomy & Physiology I

BIO 22 Human Anatomy & Physiology II

**ELECTIVES:** Any 8 credits in Physical Education

### **MAJOR IN PHYSICALEDUCATION (36 credits)**

**REQUIRED:** 7 courses (19 credits)

PE 11 History & Principles of Physical Education

PE 38 Physiology of Exercise

PE 39 Kinesiology

PE 40 Basic Athletic Training

PE 46 Organization & Administration of PE., Athletics & Intramurals

BIO 21 Human Anatomy & Physiology I

BIO 22 Human Anatomy & Physiology II

**ELECTIVES:** Any 17 credits in Physical Education

**NOTES:** Majors must earn 12 points accumulated as follows:

3--for participation in a varsity sport as a player

3--for participation as a trainer, manager or captain

3--for participation as an intramural assistant

5--for participation as a student coach

3-5--for participation on/off-campus in a supervised physical educational, recreational, or health program.

Any student entering Saint Joseph's from a junior college or transferring from another four-year college, will be given equivalent credit for previous participation.



**TEACHER EDUCATION REQUIREMENTS:**

Teaching major in Physical Education: Phy Ed 11, 19, 21, 22, 33, 35, 37, 38, 39-40, 46, 49-50; Biol 21, 22. Elect 15 hours from Phy Ed 30, 32, 36, 42, 43, 44, 45, 47, 48, 51-63.

Teaching minor in Physical Education: Phy Ed 11, 22, 35, 39, 40, 46; Biol 21, 22; elect 6 hours from Phy Ed 30, 32, 42, 43, 44, 47, 48, 51-63.

Courses 51-63: No more than four hours from these courses can count toward graduation requirements, but four hours are required for teacher certification in the field of physical education. Teacher certification students, physical education majors and minors receive regular letter grades in these courses; all other students receive Pass/Not Pass grades.

Coaching endorsement: Phy Ed 39-40, 46; Biol 21 or 22 and 6 hours chosen from Phy Ed 32, 36, 42, 43, 44, 45, 47, 48, 51-63.

Driver Education endorsement: Phy Ed 18, 19, 20, 39, 40, 49.

**COURSE DESCRIPTIONS****11. History and Principles of Physical Education 2 hours**

A basic course presenting a critical evaluation of social, economic, and political forces associated with the development of physical education throughout its history, and introducing the student to the fundamental facts and principles associated with motivation, program, instruction, supervision, administration, and evaluation in the field of physical education.

**18. Driving Range Instruction 3 hours**

Methods and techniques employed in Behind the Wheel instruction including: tracking, turns, parking and turnabouts with a special emphasis in accident avoidance; all in a controlled environment. Departmental approval required.

**19. Traffic Safety and Risk Management 3 hours**

The course is designed to prepare teachers in methods, materials and administrative techniques related to effective driver education in the secondary schools. The course will include consideration of the areas of vehicle capabilities and limitation, highway safety regulations and control, and the dynamics of traffic safety. Students are expected to evaluate and adapt SJC model.

**20. Behind the Wheel Instruction 3 hours**

This course is designed to provide laboratory experience in "behind-the-wheel" instruction. The course will include a sequence of activities and drills necessary in the dual control instructional automobiles, a familiarity with the use of classroom simulators, computer instruction, and testing procedures for safe driving techniques. Departmental approval required.

**21. Activities for Elementary Grades 2 hours**

An overview of dramatic play, games, rhythmic, playground/gymnasium procedures and methods relating to the development of dynamic professional leadership in the area of elementary activities. Emphasis on planning and implementing. TTh 9:00-9:50

**22. Gymnastics and Rhythmic Exercises** **2 hours**

Tumbling, floor and kinesthetic exercises, and fundamentals of rhythm relating to Core I concept of selfness. Introduction to Apple IIe computer software and utilization of biofeedback experiments.

**29. Introduction to the Exceptional Child  
in Physical Education (EDC 61)** **4 hours**

Theory, techniques and methodology relative to the exceptional children in the classroom. This course compares and contrasts the "normally developing student" with the "exceptionally developing student" in areas of physical, emotional, communicative and learning abilities/disabilities. The use of mainstreaming, an individualized education program (IEP), and related services for the handicapped child are explored. PL 94-142 and PL 99-154. Required of ALL Elementary teachers and all secondary teachers for Illinois: Offered first semester each year: MWF 11:00-12:15. Clinical and/or field experiences comprising approximately 40 clock hours. Pre-service teachers will be placed in a special education classroom/gym in one of the seven school corporations contiguous to the college.

**30. Leisure and Recreation** **3 hours**

Bimodal emphasis providing broadest possible understanding of worthy and productive use of leisure time. Designed to develop professional leadership and to maximally inform consumer.

**31. Recreation Field Experience** **1-3 hours**

A planned excursion into Recreation via: camping experience, nature study, series, or a combination of active/passive activities.

**Prerequisite: Project acceptance by Academic Dean and Physical Education Staff.**

**32. Coaching of Baseball** **2 hours**

Theory and principles of the fundamentals of baseball. A study of the history, rules, strategy, organization of practice, individual and team conditioning.

**33a. Traditional Folk and Square Dance** **2 hours**

A study of singing games, play parties, folk, square and ball room dances, all of which have set formations, step movements and sequences with emphasis in teaching methods and techniques.

**33b. Creative Movement and Dance** **2 hours**

Body movement as a medium of expression and communication; techniques and composition in dance; methods and materials for teaching creative movement in elementary and secondary schools.

**35. Measurements in Health and Physical Education** **3 hours**

A study of measurement and evaluation as applied to health, physical education, and recreation. Principles of test construction, types and characteristics of individual and group tests, application of such tests to school problems and evaluation of results. A study of statistics as they apply to evaluation of results of measurement. Computer-assisted instructions.



**36a,b,c.Swimming--Water Safety** 1-3 hours

Beginning, intermediate and advanced swimming skills; stroke improvement, rescue and water safety. Special emphasis on methods and materials for teaching. 36b involves Lifeguard certification; 36c involves WSI and LGI certification.

**37. Advanced Gymnastics** 2 hours

Use of apparatus to develop teaching/coaching/judging competencies. Emphasis on all-round routines, previewed by the learning of individual stunts.

**38. Physiology of Exercise** 3 hours

A study of the physiological functions of the body designed to provide the student with a basic understanding of the physiological principles underlying the processes that are so important to physical fitness and athletic performance. "Hands on" client experience(s) provided in Wellness Maintenance Laboratory; experience in use of dynamometers, measurements, and Apple IIe computer software programs (Exercise Physiology Experiments). Required of all Physical Education Majors. Departmental approval required.

**39. Kinesiology** 3 hours

The study of human motion. The course covers a basic analysis of human movement through a study of mechanical principles and the functions of muscles, levers and neuro-muscular controls. This includes an analysis of movements involved in various sports with emphasis on proper movements and identification of the causes of errors in performance. Departmental approval required.

**40. Basic Athletic Training** 3 hours

This course focuses on the basic aspects of athletic training, accomplished through lecture and laboratory experiences. The basic athletic training student will gain knowledge in the following areas: prevention, recognition and care of athletic injuries; physical conditioning; medical nomenclature; evaluation of padding and protective devices; basic taping and rehabilitation principles. Departmental approval required.

**41. Advanced Athletic Training** 3 hours

This course focuses on the advanced aspects of athletic training, accomplished through lecture and laboratory experiences. The advanced athletic training student will gain knowledge in the following areas: Advanced injury recognition, taping procedures and rehabilitation; diet; drug education; budget and supplies; facility design; physical therapy modalities; history and code of ethics of N.A.T.A. Departmental approval required.

**42. Coaching of Track and Field Events** 2 hours

Theories and principles of the fundamentals involved in track and field events. A study of the rules, history, organization of practice, individual and team conditioning, administration of program, facility layout, program of maintenance, and officiating.

**43. Coaching of Football** 2 hours

Theory and practice of the fundamentals of football. A study of the history, rules, strategy, styles of offense and defense, organization of practice, individual and team conditioning, officiating and other coaching problems involved in this sport.

**44. Coaching of Interscholastic Sports** **3 hours**

A study of the philosophy of coaching, strategy and styles of play, organization of practice periods, individual and team conditioning, care of common athletic injuries, handling of emergencies, and the psychology of competitive sports.

**45. Coaching of Volleyball** **2 hours**

Theory and practice of the fundamentals of volleyball. A study of the history, rules, strategy, styles of play, organization of practices, individual and team conditioning, and other coaching problems connected with the sport.

**46. Organization and Administration of Physical Education, Athletics and Intramurals** **2 hours**

Addressing or developing a philosophy based upon institutional policy and client needs relative to the administration of public or private programs. Emphasis upon historic contributions and directed toward scientific application(s) of theory into 21st century scenarios.

**47. Officiating Sports** **2 hours**

Special officiating consideration shall be given to a number of sports; emphasis shall be placed upon knowledge, interpretation and mechanics. Sports covered may include, but are not limited to: basketball, volleyball, soccer, and other(s) agreed upon during the first week of classes.

**48. Coaching of Basketball** **2 hours**

Theory and practice of the fundamentals of basketball. A study of the history, rules, strategy, styles of play, organization of practice, individual and team conditioning, officiating and other coaching problems connected with this sport.

**49. Advanced First Aid** **2 hours**

A comprehensive study of principles and procedures of first aid treatment for sudden illness and accidents. Guidelines shall follow the American Red Cross model(s). Comprehensive certification may be available; these are to be agreed upon during the first week of classes. Materials fee.

**50. Organization and Administration of Health Education** **3 hours**

A course designed to acquaint the student with the organization, administration, and development of the school health program and the coordination of the school health program with community health agencies and health services. The methods, principles, materials and problems of health education in relation to the mental and physical health of persons of all ages are discussed. Courses addresses substance abuse, HIV, and AIDS.

**55. Independent Study** **1-3 hours**

These courses emphasize the teaching techniques, knowledge, background, rules, basic fundamentals, game strategy, and the selection and care of equipment for the sport. 1 hour each.

**51. Sport of Tennis**

**52. Sport of Golf**

**53. Sport of Archery**

**59. Sport of Fencing**

**60. Sport of Wrestling**

**61. Weight Training**



54. Sport of Softball

56. Sport of Field Hockey

57. Sport of Soccer

58. Sport of Bowling

62. Sport of Badminton

63. Sport of Racquetball

64. Aerobic Dance



**PHYSICS**

The physics courses offered are designed to help the student attain: 1) an understanding and appreciation of the fundamental laws of nature; 2) adequate preparation for work in graduate and professional schools, and secondary teaching; 3) facility in the use of physics as a tool in engineering and sciences such as biology, geology, and chemistry.

**MINOR IN PHYSICS (18 credits)**

**ELECTIVES:** Any 18 credits in Physics except PHY 1.

**PRE-ENGINEERING PROGRAM**

This is a three-two program whereby students spend three years at Saint Joseph's College and then transfer to any accredited engineering school for two years to complete a B.S. degree in engineering.

After successfully completing one year at the engineering college, the student receives a B.S. degree from Saint Joseph's College. Students in Aeronautical, Civil, Electrical, Industrial, Mechanical, and Metallurgical Engineering will have completed a major in Mathematics-Physics; in Chemical Engineering a major in Chemistry.

Students in the 3-2 program do not have to take the Science Core sequences, but must complete all other Core courses.

<b>PRE-ENGINEERING REQUIRED</b>	<b>COMMON COURSES: 11 courses (35 credits)</b>
MTH 25 Calculus I	PHY 21 Mechanics & Heat
MTH 26 Calculus II	PHY 22 Optics, Elect. & Atomic Structure
MTH 35 Calculus III	PHY 33 Statics
MTH 36 Differential Equations	PHY 34 Dynamics
CMP 11 Computer Science I	PHY 36 Modern Physics
	PHY 37 Modern Physics

**AERONAUTICAL, CIVIL, ELECTRICAL & MECHANICAL (62 credits)**

**REQUIRED: 7 courses (24 credits)**

CHE 11-12 General Chem I & II  
 ECN 23 Prin. of Econ: Microeconomics  
 ECN 24 Prin of Econ: Macroeconomics  
 PHY 46 Electronics  
 MTH 39 Numerical Analysis  
 MTH 44 Linear Algebra & Matrices

**ELECTIVES:** Any 3 credits from Math or Physics except Civil Engineering should take GEO 11 and Electrical Engineering should take PHY 31.

**CHEMICAL-METALLURGICAL (56 credits)**



**REQUIRED:** 5 courses (19 credits)

CHE 31 Organic Chemistry I  
 CHE 32 Organic Chemistry II  
 CHE 33 Quantitative Analysis  
 PHY 31 Electricity & Magnetism  
 MTH 44 Linear Algebra & Matrices

**ELECTIVES:** Any 3 credits in Mathematics.

**INDUSTRIAL** (63 credits)

**REQUIRED:** 6 courses (19 credits)

ACT 11-12 Prin of Accounting  
 ACT 33 Cost Accounting  
 MGT 11 Prin of Management  
 MKT 12 Prin. of Marketing  
 PHY 31 Electricity & Magnetism

**ELECTIVES:** 9 credits with 6 from Mathematics and 3 from Physics.

## COURSE DESCRIPTIONS

### 1. Physics for Elementary Teachers

**3 hours**

This course in theoretical and practical physics is designed for students intending to teach in elementary schools. It does not count towards the physics minor. Two lectures and one two-hour laboratory period per week. This course together, with Chemistry 1, satisfies the Indiana Department of Education requirement for laboratory sciences for Elementary Education students.

Alternates every other year with Chem I: second semester: lecture TTh 8:00; lab F 8:00-10:00

### 21. Mechanics and Heat

**4 hours**

This course is an introduction to classical physics. It covers Kinematics: force, motion, energy, momentum and rotational motion. It also treats fluids, heat, and sound. There are three lectures and one three-hour laboratory each week. Lab fee.

**Prerequisite: Mathematics 25**

### 22. Optics, Electricity and Atomic Structure

**4 hours**

This course is a sequel to Physics 21. It studies electricity and magnetism, light and optics, and it briefly sketches some selected topics in Modern Physics. There are three lectures and one three-hour laboratory each week. Lab fee.

**Prerequisites: Physics 21 and Mathematics 25**

### 31. Electricity and Magnetism

**4 hours**

This course covers basic electrical engineering. Topics covered include circuit theory, DC and AC transient and steady state response of RLC circuits, differential equations and Laplace transform methods. In addition, magnetic circuits, electrical machines and feedback control systems are treated. A major emphasis is on problem solving. Three

lectures and one three-hour laboratory each week. Lab fee.

**Prerequisites: Physics 22 and Mathematics 26**

### **33. Statics 3 hours**

This course treats the fundamental principles of statics, forces, couples, system equilibrium, stresses and strains, area moment of inertia and topics in strength of materials. Engineering applications are emphasized. Three lectures each week.

**Prerequisites: Physics 22 and Mathematics 26.**

### **34. Dynamics 3 hours**

This lecture course deals with translation, rotation, plane motion, motion of particles and systems of particles, momentum and periodic motion. Three lectures each week.

**Prerequisite: Physics 33**

### **36-37. Modern Physics (2 semester sequence -- 3 hours each)**

These lecture courses deal with topics in Physics that have been discovered since 1900. They include special relativity, wave and particle characteristics of matter, the Bohr model of the atom, atomic structure, nuclear structure and reactions, elementary particles, and solid-state Physics. Topics in astrophysics and cosmology are also briefly outlined. There are three lectures each week.

**Prerequisites: Physics 22, and Math 26.**

### **39. Digital Elements (Comp. 39) 4 hours**

In addition to a review of digital arithmetic and Boolean algebra, this course includes the following topics: logic design through the use of digital multiplexors and integrated circuit logic gates; flip-flop storage elements; combination logic circuits; counting circuits; and shift registers. Laboratory work involves the design and implementation of various digital logic units from simple combinational logic circuits to complex sequential logic circuits, by means of small-scale and large-scale integrated circuitry. Three lectures and one three-hours lab each week.

**Prerequisite or corequisite: CS 33. Prerequisite: Physics 21-22 or consent of instructor.**

### **46. Electronics 4 hours**

The topics cover semiconductor physics, diodes, transistors, amplifiers, negative and positive feedback, operational amplifiers, digital and switching circuits, integrated circuits and microprocessor fundamentals. Engineering applications are emphasized. The design and construction of a practical electronic device is a course requirement. Three lectures and one three-hour laboratory each week. Lab fee.

**Prerequisite: Physics 22**

### **50. Computer Interfacing & Networking (Comp. 50) 4 hours**

This course deals with serial and parallel device-interfacing techniques. Topics will include DMA transfers and fundamental concepts of computer networking in distributed systems. Application of these techniques will be made in the laboratory. Three lectures and one three-hour lab each week.

**Prerequisites: CS 22 and CS 33.**

### **51. Senior Project in Hardware Design (Comp. 51) 3 hours**

A proposal for the project must be presented to the computer science faculty for



approval, after which it may be carried out under the direction of a faculty member. The student will make an oral presentation of the completed project to the department.

**Prerequisite:** CS 50 or consent of the instructor.

### **55. Independent Study**

**1-3 hours**

## **POLITICAL SCIENCE**

The political science major offers students an opportunity to gain a systematic understanding of the role of government and political behavior in human societies of the past and present. Such understanding is an important element of a modern college education and contributes significantly to professional and civic judgment. Concentration in political science serves as an appropriate undergraduate preparation for the teaching or practice of politics, the entry into law school, government, business, teaching or the foreign service.

### **MINOR IN POLITICAL SCIENCE (18 CREDITS)**

**REQUIRED:** 2 courses (6 credits):

- 21 American Government
- 22 Comparative Government

**ELECTIVES:** Any 12 credits from Political Science

### **MAJOR IN POLITICAL SCIENCE (36 credits)**

**REQUIRED:** Three courses (9 credits):

- 11 Statistics
- 21 American Government
- 22 Comparative Government

Choose 3 credits from:

- 28 Political Sociology
- 34 Legislative Behavior
- 35 Constitutional Law
- 36 Constitutional Law
- 37 State & Local Government
- 39 Political Communications
- 48 The American Presidency

Choose 3 credits from:

- 29 Comparative Public Policy
- 30 Policy Analysis

Choose 3 credits from:

- 32 American Foreign Relations
- 33 Political Parties & Pressure Groups
- 43 International Law & Organization
- 44 International Relations
- 46 Socialism & Communism
- 50 Seminar in Political Science

Choose 3 credits from:

- 41 Traditional Political Philosophy
- 42 Modern Political Philosophy
- 45 American Political Thought
- 47 Philosophy of Law
- 40 Media and the Law

**ELECTIVES:** Any 15 credits from Political Science

**GROUP MAJOR IN INTERNATIONAL STUDIES (87 credits)**

**REQUIRED:** 5 courses (15 credits)

- |                                     |                             |
|-------------------------------------|-----------------------------|
| PHI 20 Philosophy of Human Nature   | REL 53 Comparative Religion |
| ECN 23 Prin of Econ: Microeconomics | SOC 12 Culture & Society    |
| POL 22 Comparative Government       |                             |

Choose 6 credits from:

- PHI 42 Modern Political Philosophy
- REL 30 Christianity in History
- REL 31 Worship, Belief, and Praxis

Choose 27 credits from:

- |                                  |                                 |
|----------------------------------|---------------------------------|
| MGT 39 International Business    | POL 33 Political Parties        |
| MKT 44 International Marketing   | POL 43 International Law        |
| ECN 24 Prin of Economics         | POL 44 International Relations  |
| ECN 39 Comp. Econ Systems        | SOC 34 The Urban Community      |
| ECN 44 International Finance     | SOC 37 Law and Society          |
| GEO 24 Anthropological Geography | SOC 40 Sex, Gender, and Culture |
| GEO 32 Economic Geography        | SOC 44 Collective Action        |

Choose any 15 credits from:

- |                                    |                                      |
|------------------------------------|--------------------------------------|
| HST 37 American Foreign Relations  | ENG 24 Intro to Drama                |
| HST 40 History of Latin America    | ENG 42 Creative Writing - Poetry     |
| HST 41 History of Modern East Asia | ENG 59 Special Studies in Literature |
| HST 42 Modern Middle East          | FRN 36 French Literature II          |
| HST 43 History of Russia I         | FRN 49 French Civilization           |
| HST 44 History of Russia II        | GER 33 German Civilization           |
| HST 49 The Cold War                | SPN 31 Spanish & Span-Amer Culture   |

**ELECTIVES:** 12 credits from any one foreign language.

**ELECTIVES:** 9 credits from any area.

**TEACHER EDUCATION REQUIREMENTS:**

Teaching major in Social Studies with a primary area in government and supporting areas in world history and economics: Political Science 21, 22; Econ 23, 24, 31, 32; Hist 25; elect 12 hours from Political Science 29, 30, 32, 33, 34, 35, 36, 37, 44, 46, 48, 49; the major in political science.

**COURSE DESCRIPTIONS**

**11. Statistics (Psychology 11; Soc 38) 4 hours**

**21. American Government 3 hours**

A study of the formal and informal institutions of American national government and politics: The Constitution, the Presidency, Congress, the federal court system, political parties, pressure groups, public opinion, recent foreign policy, the federal bureaucracy, voting behavior. Attention is also given to current problems and issues.



**22. Comparative Government****3 hours**

The constitutional forms and methods utilized by four major foreign powers--Great Britain, France, Germany, and the U.S.S.R. Their elements of strength and weakness as compared with the U.S. system.

**26-27. Business Law (Acct. 23-24)****6 hours**

This course is designed to acquaint the student with those phases of law most frequently met in business. The selected areas of study include contracts, negotiable instrument, agency sales, partnerships, corporations, property and torts.

**28. Political Sociology (Soc. 39)****3 hours**

A study of the social basis of political behavior and beliefs, and the social foundations of political institutions at both local and extra-local levels.

**29. Comparative Public Policy****3 hours**

A discussion of the provision of social welfare policy in Europe and the United States. Special attention will be given to housing, health care, and education policy.

**30. Policy Analysis****3 hours**

An introduction to theories of policymaking, policy evaluation, policy implementation, agenda setting, etc., through an analysis of government and private activity in such areas as foreign policy, school desegregation policy and housing policy.

**31. Research Methods in the Social Sciences****(Hist 31; Soc 31; Psych 31)****3 hours**

An introduction to the qualitative and quantitative methods employed by social scientists. Emphasis is given to alternative choices of design, sampling techniques, instruments and appropriate interpretive and analytical procedures encountered in the process of social scientific research.

**32. American Foreign Relations (History 37)****3 hours**

A survey of United States relations with Europe, Latin America, Russia, and the Orient, tracing the origins and development of our foreign policy and the history of the men who framed it. Offered in alternate years.

**33. Political Parties and Pressure Groups****3 hours**

A consideration of the function and role of political parties, and interest groups in the United States, and Western and Eastern Europe.

**34. Legislative Behavior****3 hours**

An examination of the role of the legislature in the policy-making process. Primary focus will be our Congress with some consideration of state legislatures. The roles and behaviors of legislative actors will be considered in relation to bureaucratic, presidential and judicial activities.

**35. Constitutional Law--The American Community****3 hours**

An examination of Supreme Court decisions concerned with the separation of powers, federalism, the regulation of commerce contracts, taxing and spending, and the state police power, including some of the legal problems of urban redevelopment. (Every other year).

- 36. Constitutional Law--The Bill of Rights** **3 hours**  
An examination of Supreme Court decisions concerned with the definition of American rights in the areas of freedom of speech, press, assembly, association, and religion; church-state relations; racial discrimination; political radicalism and subversion; procedures in criminal prosecution; military tribunals. (Every other year).
- 37. State and Local Government** **3 hours**  
A study of political systems at the state and local levels in the United States, emphasizing institutional evolution and problems.
- 38. Collective Action and Social Change (Soc. 44)** **3 hours**  
A study of the origins and nature of collective behavior and its relationship to social change. Topics covered include: social movements, community organizations, obstacles to change, patterns and strategies of change.
- 39. Political Communications (C&TA 54)** **3 hours**  
An examination of the role of the media in politics. The course considers the role of the print, film, radio, and telecommunications media on the political system and the interaction of the political actors with the media.
- 40. Media and the Law (C&TA 58)** **3 hours**  
Study of the legal issues concerning the media including: statutes and regulation governing press, broadcast and films; analysis of defamation, libel, contempt, privacy, copyright; legal rights and privileges of the mass media.
- 41. Traditional Political Philosophy (Philosophy 41)** **3 hours**  
The perennial problems of political and social life, centering on law, justice, equality, the common good, and power, as seen by the Presocratics, Plato, Aristotle, the Stoics, Saint Augustine, Saint Thomas Aquinas, and including modern restatements by Christian thinkers and others.
- 42. Modern Political Philosophy (Philosophy 42)** **3 hours**  
Beginning with an analysis of the thought of Machiavelli and Hobbes, this course focuses on modern "isms" such as Liberalism in both its classical and modern form, Conservatism, Socialism, Marxism, Fascism and Nationalism.
- 43. International Law and Organization** **3 hours**  
An exploration of the possibilities of control of international conflicts through law and organizations; analysis of prerequisites for political integration of the world. Evolution of international law; the League of Nations and United Nations; regional association as possible transitional forms of supranational organizations; disarmament.
- 44. International Relations** **3 hours**  
An examination of the twentieth-century context of international relations: nationalism, imperialism, power politics, the evolution of supranational forms of political organizations, and the foreign policies of the major powers. (May be counted toward a major in history.)
- 45. American Political Thought** **3 hours**  
The major sources of the American intellectual tradition in politics, including the



Puritans, Jefferson, the Federalist papers, Hamilton, Lincoln, the New Nationalism philosophy of Theodore Roosevelt, the New Freedom philosophy of Woodrow Wilson, and the New Deal philosophy of Franklin Roosevelt.

**46. Socialism and Communism 3 hours**

An analysis of the evolution of socialist and communist thought and of the movements spawned by these ideologies since the time of Marx. Topics for discussion include the thought of Kautsky, Bernstein, Lenin, and "Third World Modernizers," and Socialist and Communist parties in Eastern and Western Europe.

**47. Philosophy of Law (Philosophy 47) 3 hours**

An analysis and evaluation of the principal theories on the nature and the purpose of law currently taught in the great law schools of the United States; natural law, legal positivism, and legal realism or sociological jurisprudence. Through critical discussion of these theories and some of the practical and contemporary consequences, students are encouraged to formulate their own philosophy of law. Especially recommended to pre-law and political science students.

**48. The American Presidency 3 hours**

An overview of the American presidency emphasizing the institutions, its constitutional requirements, responsibilities and development, plus the men who have shaped the office.

**49. International Relations since 1945 (History 49) 3 hours**

Against the background of the U.S.-Soviet competition for world power, this course deals with such basic topics as power diplomacy, international economics, international organization, arbitration, security, and power balance.

**50. Seminar in Political Science 3 hours**

Close examination of some significant contemporary political problem. The topic varies from year to year, but in every case the emphasis is upon independent research in depth and under supervision as the basis for individual contributions made by the students in the context of a seminar.

**51. Social Science Seminar 3 hours**

Intensive consideration of a problem of issue of interest to social scientists. This is an interdisciplinary course in which students interact with faculty and students from other departments in the social sciences and undertake a research project utilizing the methods and perspectives found in their own major discipline. For upper-level students. By invitation only.

**55. Independent Study 1-3 hours**

**58. Topics in Public Administration 3 hours**

**59. Topics in Political Science 3 hours**

**90. Internship in Public Administration 3 hours**

A supervised, practical experience on a regular basis in a public institution. For advanced students in good standing.

**PSYCHOLOGY**

Psychology is a field of inquiry that is sometimes defined as the science of mind, sometimes as the science of behavior. It concerns itself with how and why organisms do what they do. The phenomena that psychology takes as its province cover an enormous range. Some border on biology, others on social sciences such as anthropology and sociology. Fundamentally, psychology concerns itself with four major topics or questions: action (What is it that organisms do and how do they do it?), learning (What do organisms know and how do they come to know it?), social behavior (What influences do social interactions have on the individual's actions, motives, thoughts, and knowledge?), and, individual differences (How and why do individuals differ in their actions, cognitions, and social behaviors?).

A major in psychology is an appropriate preparation for a wide range of vocational paths. Psychology majors have traditionally been able to pursue advanced degrees in areas other than psychology (e.g., law, medicine, literature, journalism, business administration, organizational behavior, etc.) as well as in any of the specialized areas within psychology proper (e.g., clinical, counseling, school, industrial, experimental, etc.). Psychology majors have also traditionally been able to secure immediate employment in a wide range of careers outside mainstream psychology (e.g., business administration, management, human service provision, education support positions, and research and development positions) as well as in more traditional psychological positions (e.g., case worker, social worker, guidance counselor, vocational placement specialist, social service provider).

**MINOR IN PSYCHOLOGY (18 credits)**

**REQUIRED:** 1 course (3 credits)

10 General Psychology

Choose 3 credits from:

20 Human Sexuality  
32 Sensation & Perception  
37 Physiological Psychology

Choose 3 credits from:

21 Marriage & Family Life  
27 Social Psychology  
34 Industrial & Organizational Psych

Choose 3 credits from:

24 Abnormal Psychology  
25 Theories of Personality  
26 Theories of Counseling

Choose 3 credits from:

38 Learning & Memory  
39 Cognitive Psychology  
46 Systems & Theories in Psych

**ELECTIVES:** Any 3 credits in Psychology

**MAJOR IN PSYCHOLOGY (36 credits)**

**REQUIRED:** 5 Courses (15 credits):

10 General Psychology  
11 Statistics  
12 Experimental Psychology  
35 Psychological Measurement and Evaluation  
48 Professional Seminar



Choose 3 credits from:

- 20 Human Sexuality
- 32 Sensation & Perception
- 37 Physiological Psychology

Choose 3 credits from:

- 21 Marriage & Family Life
- 27 Social Psychology
- 34 Industrial & Org. Psych.

Choose 3 credits from:

- 24 Abnormal Psychology
- 25 Theories of Personality
- 26 Theories of Counseling

Choose 3 credits from:

- 38 Learning & Memory
- 39 Cognitive Psychology
- 46 Systems & Theories in Psychology

**ELECTIVES:** Any 9 credits from Psychology.

**NOTE:** Each psychology practicum course may be taken a maximum of six (6) hours credit. No more than eighteen (18) hours of practica will be counted toward a degree in psychology.

### **GROUP MAJOR IN HUMAN SERVICES (54 credits)**

**REQUIRED:** 12 courses (36 credits)

- PSY 13 Introduction to Human Services
- PSY 14 Social Problems and Social Welfare
- PSY 28 Human Services Methods and Practice I
- PSY 29 Human Services Methods and Practice II
- PSY 41 Contemporary Social Policy
- PSY 10 General Psychology
- SOC 11 Introduction to Sociology
- SOC 12 Culture and Society
- PSY 27 Social Psychology
- PSY 11 Statistics
- PSY 35 Psychological Measurement and Evaluation
- PSY 31/SOC31 Research Methods in the Social Sciences

Choose 9 credits from:

- PSY 90 Internship
- SOC 90 Field Experience
- PSY 60
- PSY 48 Professional Seminar
- SOC 49 Sociological Research Design

**ELECTIVES:** Any 9 credits from Psychology and Sociology.

**TEACHER EDUCATION REQUIREMENTS:**

Teaching major in Social Studies with a primary area in psychology and supporting areas in world history and sociology. Psy: 10, 11, 12; elect 8 hours from Psy: 21, 25, 27, 35; Soc 11, 35 and elect 6 hours from Soc: 12, 33, 39, 45, 46; History 25 and the college major in psychology.

Teaching minor in psychology. Psy: 10, 11, 12, and elect 5 hours from 25, 27, 35.

**COURSE DESCRIPTIONS****01. Lab in Alcohol Education****1 hour**

A broadly based course which covers the following: human nutrition, use and abuse of drugs and alcohol, homeostasis, sexuality, stress, aging, exercise physiology and changing lifestyles, cancer and radiation, disease and the immune system, heart disease, and human genetics. Cannot be counted for biology, biology-chemistry or medical technology major.

**10. General Psychology****3 hours**

An introductory survey of the methods, findings, and theories of modern psychology. Areas discussed include: physiological psychology, sensation and perception, learning, motivation, human development, personality, abnormal behavior, therapy methods, and social behavior.

**11. Statistics (Sociology 38; Pol. Sci. 11)****4 hours**

An introduction to statistical methods covering data description, graphing techniques, measurement scales, standardized scores, correlation, regression, elementary probability, repeated measures and independent-groups t-tests, oneway and factorial analysis of variance, chi-square, and general non-parametrics. The approach to these topics is more conceptual than numerical or mathematical. A knowledge of junior-high school algebra is helpful.

**No prerequisite** (Fall semester)

**12. Experimental Psychology****4 hours**

An examination of the experimental approach to understanding behavior. Students gain experience designing, conducting, analyzing, and reporting experimental research in psychology through laboratory projects. Typical research topics include such areas as social psychology, learning, etc. Lab fee.

**Prerequisites:** Psych 10 and 11 (Winter semester)

**13. Introduction of Human Services (Soc 13)****3 hours**

This course provides an initial exposure to human services as a professional area. Attention is given to social work values, principles, and methods. The functions of social work in a variety of settings, including public welfare, corrections, child care, counseling, school work, and residential treatment, are examined.

**14. Social Problems and Social Welfare (Soc 14)****3 hours**

In this course American perspectives on social problems and social welfare are placed in historical and theoretical context. Emphasis is given to: 1) the impact of social disparity and political and economic forces on problem/need definition, and 2)



the contributions of different theoretical perspectives to problem analyses and strategies of social intervention.

#### **16. Psychology of Personal Adjustment**

**3 hours**

This course focuses on the factors that influence one's interpersonal effectiveness and satisfaction with life. Self-knowledge and personal application of psychological principles are stressed. Topics covered include: personal growth, intimate relationships, career decision making, loneliness, death, and values clarification.

**No prerequisite.**

#### **20. Human Sexuality**

**3 hours**

The major objective of this course is to promote an informed acceptance of one's own sexuality and that of others through a thorough examination of what is now known on the subject. The course focuses on the widely varying range of emotions, attitudes, and behavior that are associated with one's understanding of one's own sexual anatomy and physiology of others.

**No prerequisites.**

#### **21. Marriage and Family Life (Sociology 33)**

**3 hours**

A review of the social-cultural factors that shape the nature of courtship, marriage, and family relationships. Special emphasis is placed on changes in contemporary Western societies. The psychological dynamics of marriage and family life are discussed in detail. Self-actualization of individual family members, communication within the family, and task-orientation are taught as skills.

**No prerequisites.**

#### **23. Psychology of Human Development**

**3 hours**

This course will study human development from conception to death. The development of human intellectual, emotional, social and psychological processes will be considered as well as certain aspects of physical development.

**Prerequisite: Psych 10.** (Fall semester of odd-numbered years)

#### **24. Abnormal Psychology**

**3 hours**

The dynamics of abnormal behavior are studied as the basis for detailed consideration of the neurotic personality, psychosomatic disorders, and behavior deviations. Further topics include the effects of brain injuries and the major psychoses, especially schizophrenia. Considerable attention is given to the specific methods of psychotherapy.

**Prerequisite: Psych 10.**

#### **25. Theories of Personality**

**3 hours**

This course is a survey of the major theories that have influenced contemporary thought on the subject of personality. Personality theory itself is viewed as a way of understanding the behavioral consistency an individual exhibits from one situation to another, as well as the behavioral inconsistency a given individual often exhibits.

**Prerequisite: Psych 10.**

#### **26. Theories of Counseling and Psychotherapy**

**3 hours**

This course is a survey of the major theories that have influenced contemporary psychological thought on the subject of psychotherapy. Psychotherapy is viewed as an



interpersonal process designed to bring about modifications of feelings, cognitions, attitudes, and behaviors which have proven troublesome to the person seeking help from a trained professional. The basic assumption of the course is that therapeutic skills and attitudes are learned, not endowed.

**Prerequisites: Psych 10.**

**27. Social Psychology** **3 hours**

This course focuses on the psychology of the individual in society. More particularly, it investigates the influence process of society on the individual. Topics covered typically include: person perception, attraction aggression, attitudes and attitude change, conformity, social conflict, and social justice.

**Prerequisite: Psych 10.**

**28. Human Services Methods and Practice I (Soc 28)** **3 hours**

This course introduces students to the types and styles of intervention utilized by human services providers. Special attention is given to interview skills, needs assessment, the uses of verbal and non-verbal communication in the interventive process, and record keeping. Methods and practices related to individuals, families, and small groups are discussed. (Typically taken in conjunction with a 1 credit practicum)

**29. Human Services Methods and Practice II (Soc 29)** **3 hours**

This course is a continuation of the previous segment, but with an added emphasis on group work, program design, models for evaluating interventive effectiveness, and ethical issues related to the Human Services profession. (Typically taken in conjunction with a 1 credit practicum)

**30. Computer Applications in Social Science Research (Soc 42)** **3 hours**

This course investigates the uses of the computer as a tool in social science research. Topics covered include: history, computer hardware and software, applications in various research settings, programming languages, data collection, data analysis, word processing, and elementary programming.

**Prerequisites: Psych 10 and 11.**

**31. Research Methods in the Social Sciences** **3 hours**  
**(Hist 31; Pol Sci 31; Soc 31)**

An introduction to the qualitative and quantitative methods employed by social scientists. Emphasis is given to alternative choices of design, sampling techniques, instruments and appropriate interpretive and analytical procedures encountered in the process of social scientific research.

**32. Sensation & Perception** **3 hours**

An introduction to the current theory and research in sensation and perception with special emphasis on visual processes. Topics include sensory discrimination, recognition, attention, and the role of motivation in perception.

**Prerequisite: Psych 10.**

**34. Industrial and Organizational Psychology** **3 hours**

This course studies the application of psychological theories and methods to problems in the work context. Special attention will be given to the effects of



organizational manipulations on individual behavior. Topics will include current issues and traditional areas (personnel selection, motivation, job satisfaction, work environment, human performance).

**Prerequisite: Psych 10.**

### **35. Psychological Measurement and Evaluation**

**3 hours**

This course is designed to study the theory, administration, scoring and interpretation of the standard instruments employed in psychological measurement and evaluation. Emphasis is given, in particular, to the assessment of intellectual ability, aptitudes and achievement, and, personality functioning.

**Prerequisites: Psych 10 and 11.**

### **36. Phenomenology and Behavioral Science (Phil 37)**

**3 hours**

An introduction to the basics of phenomenology, with special emphasis on the model of being human, the theory of knowledge and the understanding of science as elaborated by Edmund Husserl and his disciples. The revolutionary developments which phenomenology has brought about in psychology and sociology are also studied.

**Prerequisite: Psychology 19 or Philosophy 20.**

### **37. Physiological Psychology**

**3 hours**

This course investigates the relationship between the brain and behavior, between physiological functions and behavior. Major emphasis will be placed on understanding the function of the central and peripheral nervous systems and how they relate to areas of motivation, perceptual and motor systems, sleep and wakefulness, language and memory.

**Prerequisite: Psych 10.**

### **38. Learning and Memory**

**3 hours**

This course will cover the major areas and theories of learning. Issues in classical and operant conditioning will be discussed. Areas in current learning, species-specific behaviors, and preference will also be covered. Part of the course will also be devoted to human learning, memory capacity, and knowledge acquisition.

**Prerequisite: Psych 10.**

### **39. Cognitive Psychology**

**3 hours**

This course covers the areas of human judgment, problem solving, psycholinguistics, information processing, artificial intelligence, memory, sensation, and perception.

**Prerequisite: Psych 10.**

### **40. Topics in Psychology/Psychological Services**

**3 hours**

This course is flexible in content, with its focus determined by student and faculty interest, current trends, and departmental needs. Examples of possible topics include counseling and guidance, exceptional individuals, problems of the aged, animal behavior, etc.

### **41. Contemporary Social Policy (Soc 41)**

**3 hours**

This course examines social policy on national, state, and local levels. Primary but not exclusive focus is on the United States. Attention is given to current issues in social planning, macro-level intervention, the relationship between public and private institutions, policy implementation at the agency level, and mechanisms of policy

change.

**46. Systems and Theories in Psychology 3 hours**

A comprehensive and synthesizing course for upper level psychology majors or minors. An attempt is made to integrate the entire field of psychology into a meaningful structure.

**Prerequisite:** 12 hours of psychology. (Winter semester of odd-numbered years)

**48. Professional Seminar 3 hours**

Intensive consideration of student-selected topics led by the students themselves with guidance from the staff. A major project (e.g., a research experiment or literature review) will be required of all students. Also required will be the presentation of said projects in a colloquium setting. Required for graduation of all students majoring in Psychology.

**Prerequisite:** 24 hours of psychology. (Offered every winter semester)

**54. Social Science Seminar 3 hours**

Intensive consideration of a problem or issue of interest to social scientists. This is an interdisciplinary course in which students interact with faculty and students from other departments in the social sciences and undertake a research project utilizing the methods and perspectives found in their own major discipline. For upper-level students. By invitation only.

**55. Independent Study in Psychology 3 hours**

A flexibly structured course to allow the advanced student to pursue individual study in a specific area under the supervision of a member of the department. The course is available every semester but may be taken only with written permission from a member of the department.

**60-66. Human Services Practicum (Soc 60-66) 1-3 hours**

Practica are designed to provide students with experience in service settings under supervision of professional staff members. For each hour of credit, 30 hours of direct contact are required. All practica are offered every semester, but may be taken only with written permission of the field experience coordinator. Sociology or Psychology 14 is a prerequisite.

60. Aged Practicum (Soc 60)

61. Child Guidance Practicum (Soc 61)

62. Crime and Delinquency Practicum (Soc 62)

63. Family Services Practicum (Soc 63)

64. Mental Health Practicum (Soc 64)

65. Public Welfare Practicum (Soc 65)

66. Special Child/Handicapped Practicum (Soc 66)

**90. Field Experience (Internship) 6 hours**

An assignment of eight to fifteen weeks with an approved organization. Each student will be assigned to a professional supervisor and will carry out a variety of on-the-jobs tasks. For Human Services students, six hours are applied to psychology and where appropriate three additional hours may be applied to sociology.

**Prerequisite:** consent of the Field Experience Coordinator.



## RELIGION

The study of religion and its impact on our world is an integral part of the liberal education offered by Saint Joseph's College. Every student is required to deal with religious and philosophical concepts throughout the Core program. As a part of its Catholic identity, the College offers a deeper reflection and study of religion through a combined major with philosophy or a minor in religion.

Religious experience is universally a part of the human condition. Both the Core curriculum and the religious studies department recognize the importance of dialogue in our contemporary pluralistic world. Scripture is recognized as the foundation for systematic reflection on Christian experience. The study of religion requires an integrative mind, utilizing the natural and humane sciences (psychology, sociology, anthropology, linguistics, pedagogy, etc.)

### MINOR IN RELIGION (18 credits)

**REQUIRED:** 3 courses (9 credits):

15 Philosophy of Religion

20 Introduction to Scripture I

21 Introduction to Scripture II

**ELECTIVES:** Any 9 credits in Religion.

## COURSE DESCRIPTIONS

### 15. Philosophy of Religion (Phil 15)

**3 hours**

This is the departmental introduction to the study of religion. Emphasis is placed on our experience of the divine and seeks to awaken an awareness of the diversity of the human response to the concept of the divine.

### 20-21. Introduction

**3 hours**

These courses introduce the student to the study of the Hebrew Scriptures and the New Testament respectively. A principal goal of the class is to become familiar with the various methodologies utilized by contemporary scripture study and to become aware of the major trajectories in Scripture.

### 30. Christianity in History

**3 hours**

An introduction to the history of Christianity.

### 31. Religious Thinkers

**3 hours**

An in-depth study of various major figures in the history of Christianity.

### 32. Worship, Belief, and Praxis

**3 hours**

A study of the expression of Christian worship through art and symbol. There is special concern for the nature and function of worship in Christianity.

- 33. Theology and Practice of Ministry** **3 hours**  
A study of Christian ministry, a theology of ministry, and the contribution to ministry made by other humane disciplines.
- 35. Studies in Moral Theology** **3 hours**  
An examination of Christian morality within a historical, theological, and psychological framework. This course will examine the principles affecting a personal moral life. It will consider the role in the formation of Christian morality of such things as: community and identity, sin and guilt, grace and salvation, and Jesus of Nazareth.
- 36. Questions of Belief** **3 hours**  
A study of the major theological issues in Christianity.
- 40. Christology** **3 hours**  
A study of the theology of the person of Jesus of Nazareth, from the New Testament to the contemporary world.
- 41. Sacraments and the Encounter with God** **3 hours**  
This course pays special attention to the role of myth, ritual, and symbol in the study of Christian sacraments. The course provides the foundation for a sacramental theology.
- 44. Ecclesiology and Ecumenism** **3 hours**  
A study of competing models of the church with special emphasis on ecumenical theology.
- 46. Religion and Culture** **3 hours**  
A study of the mutual interaction between religion and culture, with emphasis on the Christian contribution to various customs, laws, social institutions, arts and sciences.
- 50. Christian Mysticism** **3 hours**  
A study of the doctrine and practice of participation in the mysteries of salvation.
- 53. Special Studies in Religion** **1-3 hours**  
A study in a major religious topic. Courses reflect the interest and research of department members.
- 55. Independent Study** **1-3 hours**
- 57. Seminar in Philosophy and Religion (Phil 57)** **3 hours**  
Intensive study of a topic or thinker of interest to philosophers or theologians. A major research paper using the methods and skills of the trained scholar, will be expected. A presentation of the paper, using a colloquium format, will be required. Required for graduation of all students majoring in philosophy and religion.
- 91. Ministry practicum** **1 hour**  
Offered in coordination with Campus Ministry, this offers the student an opportunity to reflect theologically on various ministries that the student has experienced, such as: retreats, youth groups, counseling, advocacy, and service work.



**92. Liturgy practicum****1 hour**

Offered in coordination with Campus Ministry, this offers the student an opportunity to reflect theologically on his or her work with campus liturgies, parish liturgical planning, para-liturgies and other liturgical ministries.

**SOCIOLOGY**

Sociology as a science of society and human interests develops our understanding of how we, as social beings, are woven into the fabric of our society; it aids us in understanding what is happening about us and what social forces are coming to bear on our lives. It is distinguished by two characteristics: 1) its approach to phenomena is scientific; 2) its subject matter is human interaction. The Department of Sociology also strives to integrate an anthropological perspective into its courses and to introduce students to the scientific study of cross-cultural differences and similarities.

The Sociology major is designed to prepare students for continuing education on the graduate level or for immediate employment especially in social and public service. Those who major in sociology find their studies useful in seeking employment in industrial and personnel management programs, in counseling and directing activities for various age groups, in urban planning careers and in education on the secondary level. Others who have majored in sociology pursued graduate studies in sociology or in the fields of social work, law, business administration, anthropology, education, and public administration.

**MINOR IN SOCIOLOGY (6 credits)**

**REQUIRED:** 2 courses (6 credits)

- 11 Intro to Sociology
- 12 Culture & Society

Choose 6 credits from:

- 32 The Individual & Society: Social Psychology
- 33 Marriage & Family Life
- 39 Political Sociology
- 40 Sex, Gender, Culture
- 42 Computer Applications in the Social Sciences
- 45 Racial & Ethnic Relations
- 46 Criminology
- 47 Juvenile Justice

**ELECTIVES:** Any 6 credits from Sociology

**MAJOR IN SOCIOLOGY (36 credits)**

**REQUIRED:** 6 courses (19 credits)

- |                       |                                 |
|-----------------------|---------------------------------|
| 11 Intro to Sociology | 38 Statistics                   |
| 12 Culture & Society  | 43 Social Theory                |
| 31 Research Methods   | 49 Sociological Research Design |

Choose 12 credits from:

32 The Individual & Society

33 Marriage & Family

39 Political Sociology

40 Sex, Gender & Culture

42 Computer Applications

45 Racial & Ethnic Relations

46 Criminology

34 The Urban Community

35 The Social Self: Socialization

36 Industrial Sociology

37 Law and Society

44 Collective Action & Social Change

47 Juvenile Justice

## TEACHER EDUCATION REQUIREMENTS:

Teaching major in Social Studies with a primary area in sociology, and supporting areas in psychology and world history: Soc 11, 35, 38, 39, 6 hours from 12, 45, 46 and the College major in sociology; Hist 25; Psych 10, 11, 12; elect 6 hours from Psych 21, 25, 27, 35.

Teaching minor in Sociology: Soc 11, 35; 9 hours from Soc 12, 33, 39, 45, 46.

## COURSE DESCRIPTIONS

### 11. Introductory Sociology

3 hours

This course is a study of human relationships. It is an introductory survey of the concepts, theories and methods used to explain social behavior.

### 12. Culture and Society

3 hours

This course focuses on the great diversity of living cultures revealing the range of human values, world-view, language and adaptations to survival. Theories of differences of culture--pre-literate and modern, the formation of personality and the importance of social structure will be studied.

### 13. Introduction to Human Services (Psych 13)

3 hours

This course provides an initial exposure to human services as a professional area. Attention is given to social work values, principles, and methods. The functions of social work in a variety of settings, including public welfare, correction, child care, counseling, school social work, and residential treatment, are examined.

### 14. Social Problems and Social Welfare (Psych 14)

3 hours

In this course American perspectives on social problems and social welfare are placed in historical and theoretical context. Emphasis is given to: 1) the impact of social disparity and political and economic forces on problem/need definition, and 2) the contributions of different theoretical perspectives to problem analyses and strategies of social intervention.

### 28. Human Services Methods and Practice I (Psych 28)

3 hours

This course introduces students to the types and styles of intervention utilized by human service providers. Special attention is given to interview skills, needs assessment, the uses of verbal and non-verbal communication in the interventive process, and record keeping. Methods and practices related to individuals, families, and small groups are discussed. (Typically taken in conjunction with a 1 credit practicum)



**29. Human Services Methods and Practice II (Psych 29) 3 hours**

This course is a continuation of the previous segment, but with an added emphasis on group work, program design, models for evaluating interventive effectiveness, and ethical issues related to the human services profession. (Typically taken in conjunction with a 1 credit practicum)

**31. Research Methods (Hist 31; Pol Sci 31; Psych 31) 3 hours**

An introduction to the qualitative and quantitative methods employed by social scientists. Emphasis is given to alternative choices of design, sampling techniques, instruments and appropriate interpretive and analytical procedures encountered in the process of social scientific research.

**Prerequisite: Sociology 11.**

**32. The Individual and Society; Social Psychology 3 hours**

This course concerns itself with interpersonal relations. The material will be reviewed from an interactionist framework, with the contention that human behavior and social order are products of communication.

**33. Marriage and Family Life (Psychology 21) 3 hours**

A review of the social-cultural factors that shape the nature of courtship, marriage and family relationships. Special emphasis is placed on contemporary Western societies. The dynamics of marriage and family life are discussed in detail. Self-actualization of individual family members, communication within the family, and task-orientation are taught as skills.

**34. The Urban Community 3 hours**

A review of the processes underlying the development of rural, urban and suburban communities. Special emphasis is given to the neighborhood structure and organization, housing and land use, human behavior, patterns of community growth, and community planning.

**35. The Social Self: Socialization 3 hours**

A study of the process by which people acquire physical, mental and social skills needed to survive and become both individuals and members of society. The primary focus is on the process of socialization from childhood through adulthood.

**36. Industrial Sociology 3 hours**

Relationships of modern industrial organizations to other institutions in society, political systems, social class systems, etc. Concerns within an industrial plant are formal and informal patterns of behavior and intergroup conflicts and adjustments.

**37. Law and Society 3 hours**

This course examines some of the interrelationships among law, culture and society. It includes units in the following areas: (1) the disputing process and dispute resolution from a cross-cultural perspective, (2) the American legal system in practice, and (3) law and social change.

**38. Statistics (Psychology 11; Pol. Sci 11) 4 hours**

An introduction to statistical methods covering data description, graphing techniques, measurements scales, standardized scores, correlation, regression,

## **174. Sociology**

elementary probability, repeated-measures and independent-groups t-tests, oneway and factorial analysis of variance, and chi-square. The approach to these topics is more conceptual than numerical or mathematical. A knowledge of junior-high school algebra is helpful. (Fall semester).

### **39. Political Sociology (Pol Sci 28) 3 hours**

A study of the social basis of political behavior and beliefs, and the social foundations of political institutions at both local and extra-local levels.

### **40. Sex, Gender, and Culture 3 hours**

A study of male-female relations from a cross-cultural perspective. Consideration is given to the place of men and women in the social, economic, political and religious realms of various societies, including contemporary America, and to differing theories and conceptualizations of gender roll differences and similarities.

### **41. Contemporary Social Policy (Psych 41) 3 hours**

This course examines social policy on national, state, and local levels. Primary but not exclusive focus is on the United States. Attention is given to current issues in social planning, macro-level intervention, the relationship between public and private institutions, policy implementation at the agency level, and mechanism of policy change.

### **42. Computer Applications in the Social Sciences (Psych 30) 3 hours**

This course investigates the uses of the computer as a tool in social science research. Topics covered include: history, computer hardware and software, applications in various research settings, programming languages, data collection, data analysis, word processing, and elementary programming.

**Prerequisites:** Sociology 31, 38 and departmental permission.

### **43. Social Theory 3 hours**

Social theory focuses on the organic, conflict and social behavioristic schools of theory. Representatives studied are the classical social theorists Comte, Durkheim, Marx, Weber and Simmel. This course is an upper-level course required of majors and generally taken in junior or senior year. The course is taught in alternate years, the fall semester of even numbered years.

**Prerequisite:** Sociology 11

### **44. Collective Action and Social Change (Pol Sci 38) 3 hours**

A study of the origins and nature of collective behavior and its relationship to social change, topics covered include: social movements, community organizations, obstacles to change, patterns and strategies of change.

### **45. Racial and Ethnic Relations 3 hours**

An analysis of relations between dominant and minority populations (e.g. racial, ethnic, cultural, and religious groups) in complex societies, with emphasis given to the contemporary United States.

### **46. Criminology 3 hours**

Study of the factors that cause crime and criminal behavior, organization of criminal behavior, theories and practices of criminal control and rehabilitation.



**47. Juvenile Justice 3 hours**

This course involves a study of the juvenile justice system. Areas of focus include: types of offenders, the extent of the juvenile delinquency problem, historical developments in the handling of juvenile offenders, and the current structure, objectives, responsibilities, and functions of the juvenile justice system.

**49. Sociological Research Design 3 hours**

Continuation of Soc 31. Required course with emphasis on designing their own research projects. Winter semester of odd numbered years.

**Prerequisites: Sociology 11, 31, and 38.**

**54. Social Science Seminar 3 hours**

Intensive consideration of a problem or issue of interest to social scientists. This is an interdisciplinary course in which students interact with faculty and students from other departments in the social sciences and undertake a research project utilizing the methods and perspectives found in their own major discipline. For upper-level students. By invitation only.

**55. Independent Study 3 hours**

A flexibly structured course allowing any student to pursue a specific topic or field experience under the supervision of a member of the department or a field representative. Consent of director necessary.

**59. Topics in Sociology/Social Services 3 hours**

This course is flexible in content, with its focus determined by student and faculty interest, current trends, and departmental needs. Examples of possible topics include contemporary theory, the sociology of religion, gerontology, the sociology of sport, etc.

**60-66. Human Services Practicum (Psych 60-66) 1-3 hours**

Practica are designed to provide students with experience in service settings under supervision of professional staff members. For each hour of credit, 30 hours of direct contact are required. All practica are offered every semester, but may be taken only with written permission of the field experience coordinator. Sociology or Psychology 14 is a prerequisite.

60. Aged Practicum

61. Child Guidance Practicum

62. Crime and Delinquency Practicum

63. Family Services Practicum

64. Mental Health Practicum

65. Public Welfare Practicum

66. Special Child/Handicapped Practicum

**90. Field Experience (Internship) 6 hours**

An assignment of eight to fifteen weeks with an approved organization. Each student will be assigned to a professional supervisor and will carry out a variety of on-the-job tasks. For human services students, six hours are applied to sociology and where appropriate three additional hours may be applied to psychology. Prerequisite: consent of the field experience coordinator.



**MASTER OF ARTS DEGREE IN MUSIC**  
**Concentration: Church Music and Liturgy**

**Historical Sketch**

In 1960 Saint Joseph's College initiated its Summer Institute of Liturgical Music, which offered a comprehensive program leading to the Bachelor of Arts Degree or to a Certificate. In 1963 the Institute was extended to the full school year and two additional concentrations were added, piano and organ. A concentration in Theory and Composition was introduced in 1965. Music Education was added in 1967. In 1970 the designation of the Liturgical Music concentration was changed to Church Music in order to indicate that the training provided could well fit the needs of both Roman Catholic church musicians and those of other faiths.

A graduate program was initiated in 1966 in affiliation with DePaul University Graduate School: Music Division. On July 28, 1972, North Central Association of Colleges and Secondary Schools granted full accreditation to Saint Joseph's College independent graduate program, offering a Master of Arts Degree in Music with a concentration in Church Music.

**Aim**

The aim of Saint Joseph's College graduate program in church music is to provide quality musical training on the graduate level to church musicians and teachers of church music in a worship-oriented context. Advanced musical theory and practice are integrated with academic liturgical investigation as well as practical experience.

For the teacher training student the graduate program further aims, through the music education emphasis, to provide a solid musical and educational basis for effective teaching in elementary and secondary schools.

**Administration**

The graduate program is under the general supervision of the Vice President for Academic Affairs, who is directly responsible to the President of the College. Policies are determined by the Graduate Council, of which the Graduate Director is the chairperson. The Graduate Council is made up of at least five members, including the Graduate Director and College Registrar, together with the other members proposed by the Vice President for Academic Affairs and appointed by the President.

Details of the graduate program are administered by the Graduate Director, who presents recommendations from the faculty or students to the Graduate Council. The Graduate Director also serves as advisor for the students or assigns this task to one or more fellow instructors. Student requests for special consideration, for example, for a departure from the listed requirements and regulations, are to be made to the Graduate Council through the student's advisor.

**ADMISSION**

To be admitted to the Graduate Program, the student must meet the following requirements:

1. Have a bachelor's degree from a recognized college or university.
2. Have a cumulative index of 2.50 in undergraduate work.
3. Have fulfilled the music requirements of SJC's undergraduate program in Church Music for a specific emphasis: composition, conducting, organ, voice, music education. (Additional requirement for students who choose the Composition emphasis: orchestration). Deficiencies, if any, must be removed through credit or



through proficiency examinations. Prerequisite courses taken at SJC must be taken for credit.

4. Submit an application and official transcript of all undergraduate and graduate work. These documents must be submitted at least four weeks before the opening date of the summer session.
5. Pass entrance examinations in theory, piano, organ (performance and service playing), conducting, voice, and music history; also guitar for those in guitar emphasis. Those in composition emphasis; must also submit two of their most advanced, recently composed scores. Should the applicant fail in any area, additional undergraduate work will be assigned and a subsequent examination required.

In order to enroll for graduate courses applicable toward the degree, the student must have removed all but six credit hours of deficiency, exclusive of applied music.

### **Proficiency (placement) Exams**

Proficiency exams must be taken at the beginning of the summer in which the student initiates work toward the graduate degree. If the student fails to pass a given proficiency exam, lessons will be required in that area in the summer session(s) until the exam is passed. All deficiencies must be removed before the student can become a candidate for the degree.

### **Requirements for Admission to Candidacy for the Degree**

In order to be admitted to candidacy for the degree the student must fulfill the following requirements:

1. Have removed all deficiencies.
2. Have successfully passed at least six credit hours of graduate work with an index of 2.5 or better.
3. Completed the Application for Admission to Candidacy for the Master's Degree and received approval of same from the graduate music faculty.

### **Requirements for Graduation**

The requirements for graduation are as follows:

1. Admission to candidacy as described above.
2. The successful passing of thirty or more credit hours applicable toward the degree as indicated in one of the seven emphasis with a grade of C or above.
3. A cumulative index of 3.00 or above.
4. The fulfillment of residence and time requirements, as follows:
  - a. **Residence.** Normally all courses for the degree must be taken at SJC. With special permission of the Graduate Director a maximum of six credit hours of graduate work may be transferred from another institution provided the grade earned was B or above.
  - b. **Time.** All work applicable toward the degree must have been done within the span of seven years. Work beyond seven years before the proposed gradation must be validated by a special examination.
5. Graduation Projects as follows:
  - a. For ORGAN, VOICE, CONDUCTING, and COMPOSITION EMPHASIS-

### **Service Recital**

**1 credit hour**

This designation is to be rather broadly understood in that the performance may take any of seven forms: organ, voice, conducting, composition, or lecture

with demonstration. The student should design and produce the service, function in the service in a significant performing capacity, and show how theological-liturgical meaning is articulated and expressed in the service. This meaning should be documented for the professor guiding the student in the preparation of the service and successfully communicated. All stipulations of the approved Guidelines for the Service Recital are to be strictly observed. A video tape of the Service Recital is to be submitted to the graduate director.

### **Research Paper**

**1 credit hour**

The research paper, between 30 and 50 pages, is to treat a topic involving music in worship, e.g., the role of the cantor, sacramental rite(s), the psalms, etc. Historical, theological and musical dimensions should enter into the research. Standard format is prescribed. One copy is to be submitted to the faculty director. All stipulations of the approved Guidelines for the Research Paper are to be strictly observed.

The graduation project may be fulfilled over two summers.

#### **b. For Music Education Emphasis --**

Students who choose the music education emphasis must prepare and present a music practicum in educational setting as their graduation project (3 credit hours). This practicum must include the conducting of both instrumental and vocal music. A research paper on the content of the presentation is to be submitted to the instructor for the graduate files.

### **Independent Study**

The graduate program provides the opportunity for a student to pursue special topics or projects apart from regularly scheduled courses. The student registers for such independent study at the beginning of the session.

### **Directed Study**

Occasionally a student may need a course listed in the graduate bulletin but not officially offered in the given summer session. Registration for such a course requires the approval of the Vice President for Academic Affairs and the consent of the appropriate instructor. The number of instructor-student meetings is determined by the instructor.

### **Experiential Credit**

A student may be dispensed from a given graduate course in virtue of experience and/or satisfactorily passing a qualifying exam. This does not apply to applied music.

### **Student Counseling**

When a student makes formal application for admission to candidacy for the degree. An advisor in the area of emphasis will be selected. Members of the graduate faculty are eligible to serve as advisors. Standard forms for this purpose are available at the office of the Graduate Director.

### **Class Load**

The normal class load for the summer session is seven credit hours. Exceptions need the approval of the Graduate Director.



### Grading System and Quality Points

Graduate courses are graded as follows:

A -- excellent; above average	4 quality points
B -- good, average	3 quality points
C -- passing; below average but sufficient for earning credit	2 quality points
F -- failure	0 quality points
I -- incomplete (must be completed in 5 weeks or becomes an F)	
W -- withdrawal	
Z -- audit	

### Class Withdrawal

A student who withdraws from a course before the final week of the summer session will receive a W in the course.

A student who withdraws later than one week before the end of the summer session will receive an F in the course.

### Non-Degree Seeking Students

Specially qualified students who do not fulfill all admission requirements may enroll for individual courses for which they are qualified, with the approval of the Graduate Director.

Prerequisite courses taken at Saint Joseph's College must be taken for credit.

### Program of Studies

Required of all students (unless otherwise noted below):

Liturgy 511. Liturgical Foundations: Theology, History and Praxis-3

Liturgy 513. Music as Pastoral Prayer--2 hours

Liturgy 514. Recent Liturgical Documents and the Rites--2 hours

Elective in Liturgy--2 hours

Liturgy 611. Sixteenth-century Counterpoint--3 hours

Liturgy 612. Evolution of Sacred Vocal Music--3 hours

Music 644. Service Music:

a) Keyboard -- 1 hour

b) Cantor -- 1 hour

c) Guitar -- 1 hour

Music 670. Graduation Project--2 hours, namely

Service Recital - 1 hour

Research Paper - 1 hour

(For details cf. *Requirements for Graduation*)

### Additional requirements for ORGAN EMPHASIS:

one of the following courses in conducting:

Music 621. Gregorian Paleography and Chironomy--2 hours

Music 622. Conducting and Score Reading: Renaissance and Baroque Church Music--2 hours

Music 623. Conducting and Score Reading: Twentieth-century Church Music--2 hours

Music 631. Organ Literature and Registration I (beginning to 1750) 2 hours

Music 632. Organ Literature and Registration II (1750 to the present) 2 hours

Music 633. Organ Structure and History--1 hour

## **180 Graduate Church Music/Liturgy**

Music 641. Organ--4 hours

Music 642. Voice--1 hour

### **Additional requirements for VOICE EMPHASIS:**

Music 621. Gregorian Paleography and Chironomy--2 hours

one of the following: 622, 623 (cf. above)--2 hours

Music 634. Christian Hymnody and Metrical Psalmody--2 hours

Music 642. Voice--4 hours

### **Additional requirements for COMPOSITION EMPHASIS:**

Music 613. Twentieth-century Techniques--2 hours

Music 623. Conducting and Score Reading: Twentieth-century  
Church Music--2 hours

Music 634. Christian Hymnody and Metrical Psalmody--2 hours

Music 614. Composing and Arranging for the Church Musician I--2 hours

Music 615. Composing and Arranging for the Church Musician II--2 hours

Music 616. Composing and Arranging for the Church Musician III--2 hours

### **Additional requirements for CONDUCTING EMPHASIS:**

Music 621, 622, and 623 (cf. above)--6 hours

Music 634. Christian Hymnody and Metrical Psalmody--2 hours

Music 642. Voice--2 hours

### **Additional requirements for MUSIC EDUCATION EMPHASIS:**

Music 622 or 623 (Cf. above)

Music 671, Music Practicum in Education Setting--3 hours

Applied Music--4 hours

### **Six hours of the following:**

Music 651a. Keyboard Pedagogy for the Classroom Teacher--1 hour

Music 651b. Vocal Pedagogy for the Classroom Teacher--2 hours

Music 652. Composing and arranging for the Classroom Teacher--3 hours

Music 653. Teaching Instrumental Music at the Primary and Secondary Levels--3  
hours

Courses 644 and 670 are not required. With permission of the Graduate Director, six hours of graduate music or music education may be substituted for Liturgy 513, 514, and the Liturgy elective.

## **COURSE OFFERINGS**

### **Graduate courses in Music**

#### **Theory and Composition**

##### **611. Sixteenth-century Counterpoint**

**3 hours**

Understanding and appreciation of sixteenth-century contrapuntal style are fostered through performance and analysis of vocal polyphony of the period. Exercises, using the species approach with polyphonic modes, are written in open score with C clefs from two to four voices. The course includes a library research project.

**Prerequisite:** The student must have passed the graduate placement exam in theory.



**613. Twentieth-century Techniques****2 hours**

A practical survey of selected twentieth-century compositional techniques, using both non-traditional materials and procedures, and traditional materials and procedures in non-traditional ways.

**Prerequisite:** Music 23 (Theory IV) or its equivalent.

**614. Composing and Arranging for the Church Musician I****2 hours**

Compositions for any of the following: vocal solo; keyboard solo; vocal ensembles with keyboard accompaniment and/or instrumental descants.

**Prerequisites:** Music 23 (Theory IV) and 62 (Advanced Undergraduate Composition) or their equivalents.

**615. Composing and Arranging for the Church Musician II****2 hours**

Continuation of Music 614 with attention to composing for instruments.

**Prerequisite:** Music 614

**616. Composition and Arranging for the Church Musician III****2 hours**

Composition of works for vocal and/or instrumental combinations.

**Prerequisites:** Music 614, 615

**Conducting****621. Gregorian Paleography and Chironomy****2 hours**

Gregorian square-note notation is studied in itself and in the light of paleographic evidence, especially that of the St. Gall and Messine notational schools. Practical chironomy, based on modal, textual, and rhythmic analysis, as well as on paleographic evidence, forms the core of the course. Emphasis is placed on actual singing and chironomy (conducting).

**622. Conducting and Score Reading:****Renaissance and Baroque Church Music****2 hours**

Review of conducting patterns and techniques. Study and conducting of selected Renaissance and Baroque sacred masterworks. The course will include analysis, preparation of conducting scores, and consideration of performance practices.

**Prerequisite:** Passing of graduate placement exam in conducting

**623. Conducting and Score Reading:****Twentieth-century Church Music****2 hours**

Review of conducting patterns and techniques. Study and conducting of selected twentieth-century sacred masterworks. The course will include analysis, preparation of conducting scores, and consideration of performance.

**Prerequisite:** Passing of graduate placement exam in conducting.

**History and Literature****612. Evolution of Sacred Vocal Music****3 hours**

An historical study of stylistic and formal development in, and musical, textual, and

liturgical analysis and evaluation of sacred vocal music, including the following forms: mass, motel, vespers, hymns, antiphon, psalm, response, sequence, cantata, passion, oratorio.

**631. Organ Literature and Registration I** **2 hours**

A study of organ literature and the instruments for which it was written, from the earliest times through the music of Johann Sebastian Bach. Authentic registration practices are included.

**632. Organ Literature and Registration II** **2 hours**

A study of organ literature and the instruments for which it was written, from the Classical period to the present. Authentic registration practices are included.

**633. Organ Structure and History** **1 hour**

A study of the history and of the mechanical aspects of the organ. Guidelines for choosing and designing an instrument for the parish church will also be included.

**634. Christian Hymnody and Metrical Psalmody** **2 hours**

A study of the history and literature of hymnody and metrical psalmody, with a view to incorporating the knowledge acquired into the student's ministry to a singing church. Special attention is focused on style, historical development, poetic meters, indices, choral arrangements, and liturgical appropriateness.

**Applied Music**

**641. Organ** **Variable Credit**

**642. Voice** **Variable Credit**

**643. Piano** **Variable Credit**

**644a. Service Music: Keyboard** **1 hour**

A course in the practical aspects of the use of organ/piano in service playing. Included are proper hymn playing techniques and registrations, alternate harmonizations, the use of the organ/piano with guitars and cantor/congregation music, and basic improvisation.

**644b. Service Music: Cantor** **1 hour**

Exploration of the role of the cantor in bringing the song of the worshipping assembly to life by servicing as musical "minister of Presence" in facilitating the people's prayer in song. Course content includes the history of the cantor, pertinent Church documents, vocal production and interpretation, improvisation, cantorial style, and literature.

**644c. Service Music: Guitar** **1 hour**

Exploration of the role of the liturgical guitarist as one who enriches the prayer life of the Church by serving as musical "minister of presence" in accompanying the worshipping assembly's singing and enhancing the celebration with classical reflective music. Course content includes structure, tuning, and care of the guitar, history of the instrument, pertinent Church documents, and liturgical organization and style.

**645. Performance Recital** **1-2 hours**



**646. Guitar****Variable credit****Prerequisite: Music 56 or its equivalent.****Graduation Projects**

670a. Service Recital--1 hour

670b. Research Paper--1 hour

670c. Oral Examination--1 hour

(For details of 670a, 670b, and 670c cf. Requirements for Graduation.)

**Music Education****651a. Keyboard Pedagogy for the Classroom Teacher****1 hour**

A study of uses for the keyboard in the pre-college classroom and of current pedagogical practice and teaching materials, with attention to both individual and group instruction.

**651b. Vocal Pedagogy for the Classroom Teacher****2 hours**

A comparative study of vocal methods. Content includes such areas as teaching vocal production and interpretation and solving vocal problems, such as those occasioned by the changing voice.

**652. Composing and Arranging for the Classroom Teacher****3 hours**

A practical approach to composing and arranging original or public domain materials for use in student instruction and liturgical participation.

**653. Teaching Instrumental Music at the Primary and Secondary Levels****3 hours**

A basic "How to" course, addressing all aspects of teaching instrumental music at the primary and secondary levels. Included will be a brief review of instrumental literature, current method books and techniques, as well as a consideration of the administration and organization of the instrumental music program.

**671. Music Practicum in Educational Setting****3 hours**(For details, cf. Requirement for Graduation.)**Miscellaneous****501. Summer Chorus****1 hour**

The summer chorus offers an opportunity to train under a master conductor and participate in the singing of sacred masterworks. The chorus meets four times a week and presents an annual concert. Full time Church Music and Liturgy students are required to participate. Credit is optional. The grade will be PASS/NOT PASS.

**655. Independent Study****1-3 hours****660. Seminar (variable content)****1-3 hours****Graduate Courses in Liturgy**

**511. Liturgical Foundations: Theology, History Praxis 3 hours**

Theological perspectives will be developed from the Constitution on the Sacred Liturgy and from dialogue with other Christian traditions.

The major periods of development in the Christian tradition of worship will provide the historical perspective. Presentations will be kept concrete and pastoral by regular reference to current questions and problems of worship celebrations.

**512. Liturgical Thinking and Practice (variable content) 2 hours**

**513. Music as Pastoral Prayer 2 hours**

An attempt to synthesize perspectives on past and present day practices in liturgical music within the American Roman Catholic Church. Emphasis is placed on guided musical applications in both individual and group experiences as a means of forming practical procedures for use today.

**514. Recent Liturgical Documents and the Rites 2 hours**

Against the background of various basic liturgical documents, this course will study the Praenotanda (Introductions) of all the rites in order to discern patterns which reveal the meaning, importance, and dignity of the rite. Ritual structure, ministries, forms of celebration, adaptations, and pastoral preparation will be investigated with a view toward facilitating and developing conscious and active participation in the rites.

**515. Liturgy Planning and Coordination of Ministries 2 hours**

The goal of this course is to enable students to develop their workable planning processes and coordination of ministries in their particular situations. Means of achieving this end include a study of the use of Scripture, prayer, symbol, music, and gesture in planning liturgical celebrations and coordinating the ministries involved. A wide variety of planning procedures will be explored.

**517. Rites of Christian Initiation 2 hours**

Initiation into the Church, a practice among the early Christians, will be studied in its restored and revised version. The student will examine the process of discerning and ritualizing the stages of conversion in the context of the support, prayer, and witness of the entire faith community--a process which leads through the sacraments of baptism and confirmation to the celebration of the eucharist in the Easter Vigil. Anthropological, historical, theological and liturgical considerations will be included. Pastoral application will be stressed.

**518. Sacraments in Tradition, Theology, and Parish Celebration 2 hours**

Developing understanding of sacrament will be traced through scripture, tradition, and current thinking. Sacraments regularly celebrated in a parish (Infant Baptism, Marriage, Anointing, Reconciliation) will each be considered in history of development, theological tradition, and pastoral parish celebration.

**519. Environment in Worship 1 hour**

This course will consider the worship of God and its requirements of tradition, community, hospitality, the experience of mystery, and the opening up of religious symbols as these relate to the environment and art in Catholic worship. The principles



set forth in Environment and Art in Catholic Worship will be examined and used as criteria in judging a wide variety of environmental situations.

### **520. Sanctification of Time: Liturgy of the Hours**

**2 hours**

An overview of the Divine Office from Early Christianity to the present. Attention will be given to the daily prayer in the Pre-Constantinian Church, the development of the Divine Office, the classic Cathedral Offices, the classic Monastic Offices, Medieval choir offices and accretions, attempts at reform, and the post-Vatican II Liturgy of the Hours. Special stress is placed on contemporary pastoral celebrations.

### **521. The Eucharist in Christian Tradition**

**2 hours**

A study of the Eucharist as the central sacrament in the life of the Church, considered in its biblical, ritual, historical, and theological dimensions. This will be accomplished by analysis of ritual elements in their Jewish roots, as well as in scripture and patristic writings, followed by a survey of the history of the sacrament up to the present. Emphasis will be placed on the pastoral character of Eucharist in the life of the Church.

### **522. The Liturgical Year**

**2 hours**

Sunday, seasons, and saints will be investigated from a historical/theological perspective. Pastoral insights will be regularly drawn with a view to current parish celebration. Marian feasts will be given special consideration.

### **DIPLOMA IN PASTORAL LITURGY (a non-degree sequence)**

This sequence is designed to provide pastorally oriented instruction and enrichment for liturgical musicians who already have their musical training and for directors of liturgy and others in similar leadership roles.

The following course and four credit hours of electives in liturgy are required:

a. Liturgy 514,517,520

b. Liturgy 518,521,522

c. Liturgy 515,519

(Musical expertise not required)

### **Residence**

Normally all courses for the diploma must be taken at SJC. With special permission of the Graduate Director, a maximum of seven credit hours may be transferred from another institution. Dispensation from a given course may be granted by the Director in virtue of demonstrated knowledge of the content of the course. However, at least fourteen credit hours must be taken from SJC.

### **CERTIFICATE IN CHURCH MUSIC AND LITURGY**

Requirements for the non-degree Certificate in Church Music and Liturgy are as follows:

a. Prerequisite: Keyboard ability to accompany hymns.

b. Music 4,11,12,13,14,15,6 (cf. College catalog) and one of the following:

1. Music 46: Advanced Conducting 2 hours

2. Piano 3 hours

3. Organ 3 hours

4. Guitar 3 hours

5. Voice 3 hours

- c. Liturgy 511 (offered in summer session) and 6 additional hours of electives in liturgy.
- d. Residence: 12 credit hours, but some may be transferred, or dispensed with in virtue of examinations.

## ADMINISTRATION AND FACULTY

Albert Shannon, Ph.D., President

Bernard S. Parker, Ph.D., Vice President for Academic Affairs

James E. Thatcher, M.S.B.A., Vice President for Business Affairs

Lawrence F. Heiman, C.PP.S., D.S. Mus., Director of Church Music Program

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**Lawrence F. Heiman, C.PP.S.**

M.A., Catholic University of America, 1949; L.C.G., Pontifical Institute of Sacred Music (Rome), 1958; M.C.G., Pontifical Institute of Sacred Music (Rome), 1959; D.S. Mus., Pontifical Institute of Sacred Music (Rome), 1970.

**Larry Hemmelgarn, C.PP.S.**

M.Div., Chicago Theological Institute: S.T.D. (Cand.) Pontificium Institutum Liturgicum Angelicum (Rome).

**Ralph C. Verdi, C.PP.S.**

M.A., University of Dayton, 1969; M.Div., St. Bernard's Seminary, Rochester, N.Y., 1961; M.Mus., Eastman School of Music, University of Rochester, 1974; Ph.D., Catholic University of America, 1991.

## ASSOCIATE FACULTY

**Joselyn Brenner, OSF**

Music Ministry and Liturgy/St. Stanilaus Parish, Omaha, NE; M.A., Saint Joseph's College, Rensselaer, IN, 1973.

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S.T.L., Pontificium Institutum Liturgicum Angelicum (Rome), 1972; S.T.D., Ibid., 1974.

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Associate Instructor, Indiana University, Bloomington, IN; M.Mus., Westminster Choir College, Princeton, NJ, 1985; D.Mus. (cand.), Indiana University.

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Professor Emeritus, Valparaiso University, Valparaiso, IN; Fellow of the American Guild of Organists. B. Mus., Oberlin College and Conservatory, Oberlin, OH; Ph.D., Syracuse University, Syracuse, NY, 1963.

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B.A., California State University, Los Angeles, 1988; Ph.D., University of California, Riverside, 1994.

### Allen H. Berger (1979)

*Professor of Anthropology; and Dean of Freshmen*

B.A., University of Chicago, 1972; M.A., Columbia University, 1974; M.Phil., Columbia University, 1976; Ph.D., Columbia University, 1986. (On leave 1994-95)

### Frederick R. Berger (1978)

*Director of Television and Assistant Professor of Communication*

B.A., Purdue University, 1976; M.A., Purdue University, 1978.

### Robert D. Brodman (1992)

*Assistant Professor of Biology*

B.A., Rutgers University, 1985; M.S. University of Michigan, 1987; M.S., Eastern Michigan University, 1989; Ph.D., Kent State University, 1992.

### Allen J. Broussard (1964)

*Associate Professor of Accounting*

B.S., University of Southwest Louisiana, 1958; M.B.A., University of Arkansas, 1960; C.P.A., State of Indiana, 1968.

### Brian L. Capouch (1985)

*Assistant Professor of Computer Science*

A.B., Indiana University, 1975; M.S., Purdue University, 1992.

### David B. Chattin (1984)

*Associate Vice President for Academic Affairs; Associate Professor of Psychology*

B.S., Randolph-Macon College, 1980; M.A., Vanderbilt University, 1982; Ph.D., Vanderbilt University, 1988.

### Susan Chattin (1991)

*Assistant Professor of Humanities*

B.S., Saint Joseph's College, 1985; M.A.L.S., Valparaiso University, 1991.

### David D. Chesak (1970)

*Professor of Mathematics and Physics*

B.S., Purdue University, 1958; M.E.E., University of Louisville, 1963; Ph.D., Ohio University, 1971; P.E., 1963. NASA Summer Research Institutes, Marshall Space Flight Center, 1967, 1968, and 1974; AEC Summer Institute, Washington State University, 1973; USAF Summer Faculty Research, Edwards Air Force Base, 1976; Summer Faculty Research Fellowship, Johnson Space Center, 1981 and 1982; Navy Summer Faculty Research Fellowship, Naval Aerospace Medical Research Laboratory, Pensacola, 1985.

### Karen Craig (1977)

*Professor of Education*

B.S.Ed., Carlow College, 1964; M.Ed., Pennsylvania State University, 1970; Ed.D., University of North Dakota, 1973; B.S. (Psychology) Saint Joseph's College, 1982.

### Michael E. Davis (1952)

*Associate Professor of Geology*

B.S., Kansas State University, 1950; M.S., Kansas State University, 1951; N.S.F.,



Summer Institute, Millsaps College, 1968; Summer Institute, Wayne State University, 1969.

**Donald Davison, C.P.P.S.(1982)**

*Assistant Professor in Religion*

B.A., (English and Philosophy), Saint Joseph's College, 1975; M.Div., Catholic Theological Union, 1980. (On leave 1994-95)

**William E. Del Principe (1975)**

*Assistant Professor of Accounting and Finance*

B.S., Saint Joseph's College, 1973; M.B.A., DePaul University, 1976; C.P.A., State of Illinois, 1973.

**Karen E. Donnelly (1984)**

*Associate Professor of Computer Science*

A.B., Indiana University, 1969; Ph.D., Northwestern University, 1975.

**Anne-Marie Egan (1962)**

*Associate Professor of Music*

A.B., Western Maryland College, 1955; M.A., Indiana University, 1957.

**John B. Egan (1962)**

*Professor of Music*

B.Mus., College-Conservatory of Music of Cincinnati, 1956; Ph.D., Indiana University, 1962.

**Keith Freeman (1990)**

*Assistant Professor of Business*

B.S., Huntington College, 1986; M.B.A., Ball State University, 1987.

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*Assistant Professor of Religion*

A.B., University of Dayton, 1951; M.A., Xavier University, 1962.

**Jerry E. Garrett (1991)**

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B.S., Ball State University, 1979; M.A., Ball State University, 1981; Ed.D., Ball State University, 1984; University of Arkansas, 1986; Delta State University, 1988.

**Robert J. Garrity (1972)**

*Professor of Philosophy and English*

B.A. (German), LaSalle University, 1953; M.A. (Religion), LaSalle University, 1954; University of Pittsburgh, 1955; University of Georgia, 1958 and 1988; M.A. (Philosophy), Duquesne University, 1962; Ph.D., Duquesne University, 1964; M.A. (English), Purdue University, 1983; University of Kansas, 1989; University of Wisconsin, 1990.

**Philip F. Gilbert, C.P.P.S.(1961)**

*Associate Professor of Mathematics*

B.S., Saint Joseph's College, 1952; University of Detroit, 1960-61; B.A., University of Dayton, 1960; M.S., University of Illinois, 1964; Purdue University.

**John D. Groppe (1962)**

*Associate Professor of English*

B.S., City College of New York, 1954; M.A., Columbia University, 1957; University of Notre Dame, 1957-62. N.E.H. Fellowship, Dartmouth College 1975-76.

**Edward P. Habrowski (1981)**

*Secretary of the College; Associate Professor of Education*

B.A., Saint Joseph' College, 1971; M.Ed. (Secondary Education), St. Francis

College, 1975; M.Ed. (School Administration), Indiana University, 1986; FIPSE-sponsored field experience in Malawi and Zimbabwe, 1985; Ed. D. (Cand.) Indiana University

**Alexandra S. Hall (1990)**

*Associate Professor of Psychology*

B.A., Hope College, 1981; M.S., Purdue University, 1983; Ph.D., Purdue University, 1989.

**David H. Hoover (1966)**

*Director of Financial Aid and Assistant Professor of History*

B.A., Saint Joseph's College, 1961; M.A., University of Cincinnati, 1965; Purdue University.

**William G. Jennings (1965)**

*Assistant Professor of Physical Education*

B.P.E., Purdue University, 1957; M.Ed., Loyola University (Chicago), 1963.

**Judith A. Jezierski (1986)**

*Assistant Professor of Nursing*

R.N. Roseland Community Hospital School of Nursing; B.S.N., Loyola University; M.S.N., St. Xavier College.

**Mark F. Johnson (1990)**

*Assistant Professor of Philosophy*

B.A., Cornell College, 1983; M.A., University of Toronto, 1984; Licence in Mediaeval Studies, Pontifical Institute of Mediaeval Studies, Toronto, Canada, 1988; Ph.D., University of Toronto, 1990.

**Duvall Jones (1973)**

*Professor of Biology*

A.B., Western Maryland College, 1955; M.S., University of Maryland, 1961; Ph.D., University of Florida, 1967.

**Charles M. Kerlin (1968)**

*Professor of English*

B.S., Purdue University, 1960; M.S. Purdue University, 1961; Ph.D., University of Colorado, 1968.

**Steven A. Long (1994)**

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B.A., The University of Toledo, 1976; M.A., The University of Toledo, 1978; Ph.D., The Catholic University of America, 1993.

**Timothy McFarland, C.P.P.S. (1985)**

*Assistant Professor of Religion*

B.S., Saint Joseph's College, 1978; M. Div., Catholic Theological Union, 1983; Washington University (Summer 1990); Institute for Clinical Health Care Ethics, St. Louis University Medical Center, 1991; Ph.D. (Cand.), St. Louis University.

**Margery McIlwain (1986)**

*Assistant Professor of Chemistry and Mathematics*

B.S., Purdue University, 1972; M.A.T., Purdue University, 1979.

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*Associate Professor of Finance and Accounting*

B.S., Saint Joseph's College, 1972; M.B.A., DePaul University, 1980; C.P.A., State of Indiana, 1979; C.F.A. (Phase 1), Financial Analysts Federation, 1981; J.D., DePaul University, 1988.



**John P. Nichols (1968)**

*Core Coordinator, Professor of Philosophy, NEH Distinguished Professor*  
 B.A., University of Dayton, 1955; S.T.B., Catholic University of Fribourg, 1961;  
 University of Graz; S.T.L., Catholic University of Fribourg; Ph.L., Catholic  
 University of Louvain, 1965; Ph.D., Catholic University of Louvain, 1967;  
 Danforth Associate, 1977-83; Council for Philosophical Studies Fellowship,  
 1977, N.E.H. Summer Fellowship, U. of Wyoming, 1984; N.E.H. Summer  
 Seminar Director, 1985.

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*Assistant Professor of Mathematics*

B.S., State University of New York, College at Oneonta, (Geology) 1975; The  
 Pennsylvania State University, 1976-77; M.S., University of Notre Dame,  
 (Mathematics) 1987; Ph.D., University of Notre Dame, 1991.

**Bernard S. Parker (1994)**

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B.A., Duns Scotus College, 1962; M.A., University of Chicago, 1965; Ph.D.,  
 Tulane University, 1968; Woodrow Wilson Fellow 1964-65; American Council  
 on Education Fellow, 1984-85.

**Robert Pfaff (1993)**

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B. A., Augustana College, 1975; M.S. University of Oklahoma, 1978; Ph.D.,  
 University of Oklahoma, 1980.

**Musa Pinar (1988)**

*Associate Professor of Marketing*

B.S., Ege University, Izmir, Turkey, 1975; MBA, Mississippi State University,  
 1979; Ph.D., Mississippi State University, 1983.

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*Professor of History*

B.S.Ed., University of Georgia, 1958; M.A., University of Georgia, 1959; Ph.D.,  
 University of Georgia, 1962; Ford Foundation Fellowship, Institute of Far  
 Eastern History and Civilization, Florida State University, Summer, 1965; U.S.  
 Office of Education Projects in India, Summers 1972 and 1982; Institute on  
 Egyptian Culture and Society, American University of Cairo, Summer, 1974;  
 N.E.H. Summer Fellowship, Columbia University, 1983.

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B.A. (History), Mundelein College, 1962; M.A. (History), Loyola University,  
 1964; M.A. (Sociology), University of Notre Dame, 1973; Ph.D., University of  
 Notre Dame, 1977. EH Summer Fellowship, Northwestern University, 1983;  
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**Albert J. Shannon (1992)**

*President, Professor of Education*

B.A., Marquette University, 1971; M.Ed. Boston University, 1972; Ph.D., Marquette University, 1978; N.E.H. Summer Fellow, 1987, 1988; Institute for Educational Management, Harvard University, 1989; American Council on Education Fellow, 1990-91.

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B.S., Saint Joseph's College, 1968; M.Div., Catholic Theological Union, 1977; M.A., Indiana State University, 1981; Clinical Pastoral Education, Wales, Wisconsin, summer 1975 and Mendota State Hospital summer 1982; M.D., Indiana University Medical School, 1987.

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B.A., University of Maine at Presque Isle, 1983; M.L.S. George Peabody College for Teachers of Vanderbilt University, 1984; M.S., Purdue University, 1994.

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*Assistant Professor of Music*

B.A., University of Dayton (Philosophy), 1967; B.A., Saint Joseph's College (Music), 1969; M.A., University of Dayton, 1969; M.Div., Saint Bernard's Seminary, 1971; M.M., University of Rochester, Eastman School of Music, 1974; Ph.D. (cand.), Catholic University of America.

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**EMERITI FACULTY****Charles Banet, C.PP.S.(1949)***President Emeritus**Associate Professor Emeritus of Classical Studies*

B.A., Saint Joseph's College, 1950; M.A.L.S., University of Michigan, 1951; University of Michigan, 1951-52; Appointed President, 1965; American Council on Education Presidents' Institute, University of Wisconsin, Summer, 1967; Litt.D., Calumet College, 1969; LLD, Saint Joseph's College, 1991.

**Rudolph P. Bierberg, C.PP.S.(1958-1980)***Professor Emeritus of Religion*

S.T.L., Catholic University of America, 1941; S.T.D., Catholic University of America, 1943.

**Ralph M. Cappuccilli (1948-1984)***Professor Emeritus of Speech*

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**Raymond M. Cera, C.PP.S.(1948-1983)***Professor Emeritus of Romance Languages*

B.A., Saint Joseph's College, 1949; M.A., Saint John's University (Brooklyn), 1951.

**Dominic B. Gerlach, C.PP.S.(1952)***Professor Emeritus of History and German.*

M.A., Saint Louis University, 1952; University of Michigan, Summer, 1956; Goethe Institut, Munich, Summer, 1962 and 1972; Catholic University of America, Summer, 1965.

**Ambrose J. Heiman, C.PP.S.(1969-1980)***Professor Emeritus of Philosophy*

B.A., Saint Joseph's College, 1940; M.A., University of Toronto, 1942; L.M.S., Pontifical Institute of Medieval Studies, Toronto, 1947; Ph.D., University of Toronto, 1949; S.T.L., The Catholic University of America, 1953.

**Lawrence F. Heiman, C.PP.S.(1943)***Professor Emeritus of Music*

B.A., Saint Joseph's College, 1945; M.A., Catholic University of America, 1949; Marquette University, Summer, 1950; L.C.G., Pontifical Institute of Sacred Music (Rome), 1958; M.C.G., Pontifical Institute of Sacred Music (Rome), 1959; D.S.Mus., Pontifical Institute of Sacred Music (Rome), 1970.

**Leonard J. Kostka, C.PP.S.(1948-1979)***Professor Emeritus of Religion*

J.C.L., Catholic University of America, 1942; Seton Hall University, Summer,

1948; Saint Louis University, Summer, 1954.

**William J. Kramer, C.PP.S.(1953)**

*Professor Emeritus of Chemistry*

L.Sc.N.,University of Fribourg (Switzerland). 1951; Sc.D., University of Fribourg (Switzerland), 1952.

**Hermes D. Kreilkamp (1967)**

*Professor Emeritus of History and Philosophy*

B.A., Mary Immaculate College, 1945; S.E.O.L.,Pontifical Oriental Institute (Rome), 1951; Ph.D., Catholic University of America (History), 1964; M.A., Catholic University of America (Literature), 1966; M.S.L.S.,Catholic University of America, 1976.

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*Professor Emeritus of Philosophy*

M.A.,Catholic University of America, 1945.

**Andrew G. Mehall (1961-1992)**

*Professor Emeritus of Biology*

B.S., University of Detroit, 1957; M.S.,Syracuse University, 1961; Ph.D., University of Illinois, 1970; Research Participant, Illinois Institute of Technology, 1971; N.S.F.Summer Institute, University of Washington, 1965.

**Charles J. Robbins, C.PP.S.(1940-1978)**

*Professor Emeritus of Classical Languages*

B.A., Saint Joseph's College, 1940; M.A.,Catholic University of America, 1945; Litt,D.Saint Joseph's College, 1978.

**Jacob S. Rodia (1963-1989)**

*Professor Emeritus of Chemistry*

B.S., Loyola University (Illinois), 1945; M.S., University of Illinois, 1948; Ph.D., University of Illinois, 1952; N.S.F.Summer Institute, University of Akron, 1968; N.S.F.Summer Institute, Duke University, 1969.

**Charles R. Rueve, C.PP.S.(1946)**

*Professor Emeritus of Mathematics*

B.A., Saint Joseph's College, 1947; M.S., University of Notre Dame, 1949; Ph.D., University of Notre Dame, 1963.

**Ambrose A. Ruschau, C.PP.S.(1955-1986)**

*Professor Emeritus of Physics*

M.S., St. Louis University, 1956; N.S.F.Summer Institute in Radioisotope Technology, University of Michigan, 1964.

**Richard F. Scharf (1940-1981)**

*Professor Emeritus of Physical Education*

B.S., Saint Joseph's College, 1938; M.E. in P.Ed., Indiana University, 1949; LL.D., Saint Joseph's College, 1982.

**Robert J. Vigeant (1975-1993)**

*Assistant Librarian and Assistant Professor Emeritus*

A.B., Assumption College, 1950; M.S., Simmons College, 1957.

**Willard G. Walsh (1954-1978)**

*Professor Emeritus of Speech*

B.S., United States Military Academy, 1938; M.F.A.,Fordham University, 1949; Certificate, American Academy of Dramatic Arts, 1953; Litt.D., Saint Joseph's College, 1978.



**Paul R. White, C.PP.S.(1956-1992)***Professor Emeritus of Economics*

B.A., Saint Joseph's College, 1954; University of Michigan, Summer, 1955;  
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A.B., University of Wisconsin, 1957; Western Reserve University, 1964.

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*Visiting Professor of Psychology*

B.A., Maryknoll College, 1954; M.S.W., Loyola University (Chicago), 1957; Ph.D., University of Mainz (W. Germany), 1962; M.A., Indiana University, 1971; Ph.D., Indiana University, 1974.

**J. Philip McGraw (1984)**

*Lecturer in Business Law*

B.S., Saint Joseph's College, 1970; J.D., Valparaiso University, 1973; National Judicial College (Reno), 1978.

**Louisa A. Monfort (1982)**

*Lecturer in Art*

B.A., University of California, 1973; Oregon School of Arts and Crafts; Oregon State University; Art Institute of Chicago.

**Wanda K. Monjon (1985)**

*Lecturer in Spanish*

B.A., Purdue University, 1974; M.A., Universidad Ibero-Americana-Mexico City, 1975.

**Michael Moyzis (1989)**

*Lecturer in Physical Education*

B.S., University of Illinois, 1976; M.B.A., University of Illinois, 1986.

**William Oates (1992)**

*Lecturer in Journalism*

B.A. Milligan College, 1971; M.A. University of Akron, 1984.

**Kathryn O'Neill (1988)**

*Lecturer in Business Law*

B.A., Indiana University, 1970; J.D., Indiana University Law School, 1975.

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B.S., Saint Joseph's College, 1983; M.S., Fort Hays State University, 1985.

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B.A., Concordia College, 1982; M.A., North Dakota State University, 1984.

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*Lecturer in Physical Education*

B.S., Saint Joseph's College, 1974; M.S., Eastern Michigan, 1976

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*Lecturer in Education*

B.A., Saint Joseph's College, 1970; M.S., Purdue University, 1973.

**Vicki Shoff Simpson (1986)**

*Lecturer in Nursing*

A.D., B.S.N., Purdue University; M.S.N., Indiana University-Purdue University.

**Richard Stefanich (1989)**

*Lecturer in Education*

B.A., Saint Joseph's College, 1964; M.A., Purdue University, 1973.

**Linda J. Taulman (1989)**

*Lecturer in Education*

B.S., Indiana State University, 1972; M.S. University of Arizona, 1976.

**Bonita Zimmer (1980)**

*Lecturer in Art*

B.F.A., Indiana University, 1973; B.S., Indiana University, 1975. M.A. Purdue



University, 1986.

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MEDICAL TECHNOLOGY PROGRAMS**

**M. Sue Demitroulas**

St. Mary's Medical Center, Gary, Indiana

**Anne Kornafel**

St. Vincent's Hospital, Indianapolis, Indiana

**Shirley Replogle**

Ball Memorial Hospital, Muncie, Indiana

**Gretta Shipplet**

St. Margaret Hospital, Hammond Indiana



INDEX

Academic		Economics	84
Awards	48	Education	87
Classification	46	Educational Opportunity Grants	25
Dismissal	46	English	95
Policies	38	Enrollment	39
Academic Credits	39	Entrepreneurship	99
Accounting	56	Experiential Credit	40
Accounting-Finance	57	Faculty	192
Accreditation	1	Family Educational Rights and	
Administration, Officers of	188	Privacy Act	48
Admissions	12	Finance	102
Affiliations	1	Financial Aid	22
Aims and Purposes	5	Grants/Scholarships	23
Alumni Association Board	191	Athletic	27
Art	60	Educational Opportunity	26
Associate Degrees	17	Pell	27
Athletics; eligibility	47	Loans:	
Grants	27	Federal Stafford Student Loans	27
Auditing Courses	40	Perkins Loans	27
Bachelor Degree	17	Foreign Languages	106
Bank	32	Foreign Students	13
Biology	62	Payment Plans:	22
Bioloogy/Chemistry	62	Student Employment	26
Bookstore	32	Work-Study Program	26
Business-Information Management	119	Veteran's Assistance	26
Calendar	3	Vocational Rehabilitation	26
Campus Facilities	34	Finance-Accounting	102
Campus Ministry	30	Finance-Information Systems	103
Chemistry	68	Financial Policies	21
Class:		French	106
Add/Drop	42	Geology	109
Attendance	43	Geobiology	109
Load	42	Geology-Chemistry	109
Schedule	42	German	107
Withdrawal	43	Grade Reports	45
College Level Exam (CLEP)	39	Grading	44
Communication and Theater Arts	71	Graduation:	
Computer Science	78	Requirements	17
Core	54	with Honors	46
Counseling	30	Health Services	32
Creative Writing	95	Health Therapy	62
Credit by Examination	39	History	113
Dean's List	46	History of College	6
Degree Candidacy	18	Honor Society	52
Degrees Offered	15	Housing	36
Dining Service	32	Human Services	163
Directed Study	41	Humanities	15
Double Major	17	Incomplete Grades	49
		Independent Study	41
		International Business	120



International Students	13	Spanish	108
International Studies	113	Spring Session	42
Internships	40	Student Association	29
Journalism	117	Study Abroad	10
Late Enrollment	39	Summer Session	42
Latin	107	Teacher Education/Certification	47
Laundry	33	Telephones	33
Library	8	Transcripts	48
Literature	96	Transfer Policy	41
Mail Service	33	Trustees, Board of	188
Management	119	Tuition and Fees	20
Marketing	124	Veterans:	
Management-Marketing		Admissions	13
Information Systems	120	Vocational Rehabilitation	26
Mass Communication	72	Withdrawal:	
Master's Degree:		College	43
Music Department	176	Courses	43
Mathematics	127		
Math-Computer Science	127		
Math-Physics	128		
Medical Technology	64		
Memberships, College	1		
Music	133		
Music-Business Administration	134		
Nursing	140		
Off-Campus Degrees	18		
Pass/Not Pass Option	45		
Philosophy	144		
Philosophy-Religion	145		
Physical Education	148		
Physics	154		
Plagiarism	45		
Political Science	157		
Practical Experience	40		
Pre-Professional Programs	16		
Pre-Dental	64		
Pre-Engineering	154		
Pre-Law Curriculum	16		
Pre-Medicine	63		
Pre-Veterinary Program	64		
Probation Policies	46		
Psychology	162		
Refund Policies	22		
Registration	42		
Religion	169		
Religious Services	30		
Repetition of Courses	44		
Scholarships/Grants (see Financial Aid)			
Scholastic Aptitude Test (SAT)	22		
Sociology	171		



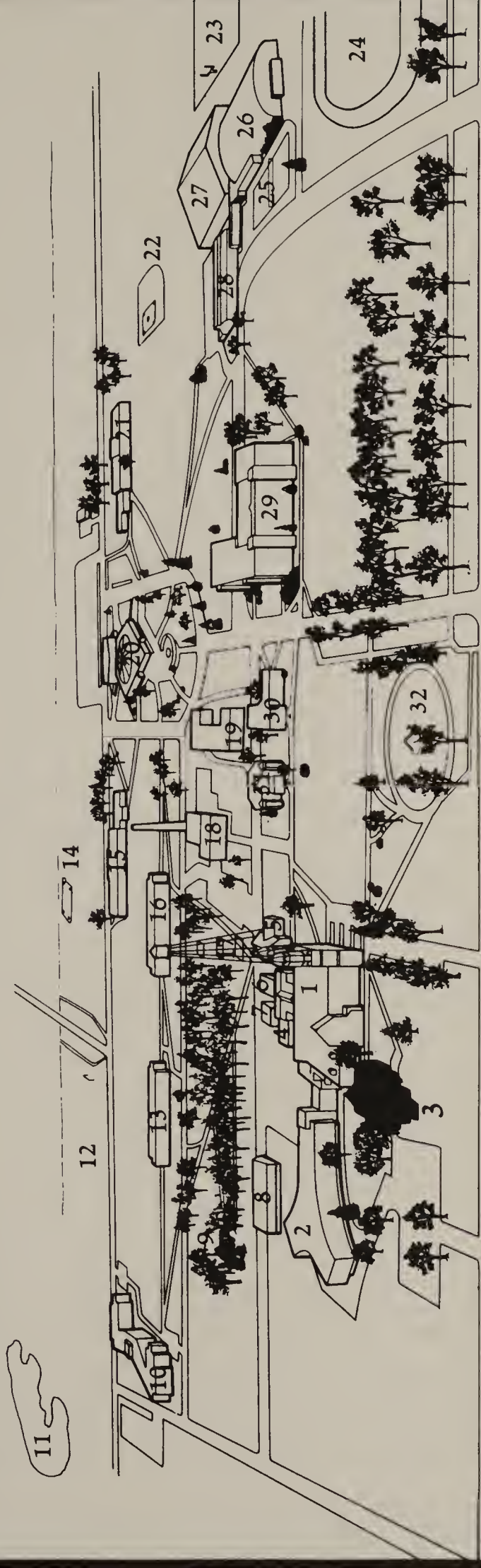




# SAINT JOSEPH'S COLLEGE CAMPUS MAP

## LEGEND

- |  |                            |   |
|--|----------------------------|---|
| 1. Main Chapel                               | 11. Lake Banet Park        | 22. Gil Hodges Memorial Baseball Field                  |
| 2. Schweiterman Hall (Johnson Health Center) | 12. Soccer Field           | 23. Alumni Football Field                               |
| 3. McHale Administration Bldg. (Admissions)  | 13. Halas Hall             | 24. Track Field   |
| 4. Aquinas Hall Education Bldg.              | 14. Softball Field         | 25. Tennis Court  |
| 5. Administrative Computer Center            | 15. Noll Hall              | 26. Alumni Memorial Fieldhouse (Intercollegiate Sports) |
| 6. Student Computer Center                   | 16. Gallagher Hall         | 27. Hanson Recreation Center                            |
| 7. Post Office                               | 17. Water Tower            | 28. Raleigh Hall (weight room)                          |
| 8. Maintenance Bldg.                         | 18. Powerplant             | 29. Arts & Science Bldg. (classrooms)                   |
| 9. Grotto                                    | 19. Seifert Hall           | 30. Merlini Hall  |
| 10. Justin H. Oppenheim Hall                 | 20. Halleck Student Center | 31. Dwenger Hall  |
|  | 21. Bennett Hall           | 32. Reflecting Pond                                     |



← TO LAFAYETTE  
& I65 South

US 231

TO RENSSELAER  
& I65 North →

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